

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

## High CV, Screw Terminal Capacitors



Type CGS screw terminal, aluminum electrolytic capacitors have a high CV rating and are suitable for use in most demanding applications requiring high current filtering or energy storage.

### Highlights

- High CV rating
- High current filtering
- Screw terminal

## Specifications

- Capacitance Range:** 75 to 1,500,000 µF  
**Voltage Range:** 6.3 to 500 WVdc  
**Capacitance Tolerance:** -10% +75% (6.3 - 150 WVdc)  
 -10% +50% (200 - 450 WVdc)  
**Operating Temperature:** -40 °C to +85 °C  
**Ripple Current Multipliers:** Ambient Temperature



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

| +45 °C | +55 °C | +65 °C | +75 °C | +85 °C |
|--------|--------|--------|--------|--------|
| 2.24   | 2.00   | 1.73   | 1.41   | 1.00   |

| Rated Voltage | Ripple Multiplier |        |        |         |        |
|---------------|-------------------|--------|--------|---------|--------|
|               | 60 Hz             | 120 Hz | 300 Hz | 1000 Hz | 10 kHz |
| 16 to 150     | 0.9               | 1.0    | 1.15   | 1.25    | 1.30   |
| 200 to 500    | 0.9               | 1.0    | 1.25   | 1.40    | 1.50   |

- DC Leakage Current:**  $I = .006 \sqrt{CV}$   
 Not to exceed 6.0 mA max. after 5 minutes  
 C = Capacitance in µF  
 V = Rated Voltage  
 I = Leakage current in mA

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- QA Stability Test:** Apply WVdc for 2000 h @ 85 °C
- Capacitance change ± 10% from initial limits
  - DC leakage current: 200% of limit
  - ESR: 175% of limit

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## Typical Performance Curves



# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

## Ratings

| Cap<br>( $\mu$ F)               | Catalog<br>Part Number | Max<br>Typical Ripple         |                             | Dia.<br>(Inches) | Length<br>(Inches) | Cap<br>( $\mu$ F)               | Catalog<br>Part Number | Typical Max Ripple              |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|---------------------------------|------------------------|-------------------------------|-----------------------------|------------------|--------------------|---------------------------------|------------------------|---------------------------------|-----------------------------|------------------|--------------------|
|                                 |                        | ESR<br>120 Hz<br>( $\Omega$ ) | +85 °C<br>120 Hz<br>(A) RMS |                  |                    |                                 |                        | ESR<br>120 Hz<br>( $\Omega$ )   | +85 °C<br>120 Hz<br>(A) RMS |                  |                    |
| <b>6.3 WVdc ( 8 Vdc Surge )</b> |                        |                               |                             |                  |                    | <b>16 WVdc ( 20 Vdc Surge )</b> |                        |                                 |                             |                  |                    |
| 73,000                          | CGS733U6R3R2L          | 0.023                         | 8.0                         | 1.375            | 1.625              | 12,000                          | CGS123U016R2C          | 0.031                           | 4.8                         | 1.375            | 2.125              |
| 95,000                          | CGS953U6R3R3C          | 0.014                         | 10.4                        | 1.375            | 3.125              | 15,000                          | CGS153U016R2L          | 0.026                           | 5.6                         | 1.375            | 2.625              |
| 140,000                         | CGS144U6R3R4C          | 0.011                         | 11.2                        | 1.375            | 4.125              | 15,000                          | CGS153U016R4C          | 0.061                           | 4.5                         | 1.375            | 4.125              |
| 190,000                         | CGS194U6R3V3C          | 0.013                         | 12.6                        | 2.000            | 3.125              | 17,000                          | CGS173U016R3C          | 0.022                           | 6.7                         | 1.375            | 3.125              |
| 210,000                         | CGS214U6R3R5L          | 0.011                         | 10.9                        | 1.375            | 5.625              | 19,000                          | CGS193U016R3C          | 0.021                           | 6.8                         | 1.375            | 3.125              |
| 230,000                         | CGS234U6R3U4C          | 0.009                         | 13.1                        | 1.750            | 4.125              | 21,000                          | CGS213U016R3L          | 0.037                           | 5.5                         | 1.375            | 3.625              |
| 300,000                         | CGS304U6R3V4C          | 0.010                         | 14.7                        | 2.000            | 4.125              | 22,000                          | CGS233U016V3C          | 0.027                           | 7.6                         | 2.000            | 3.125              |
| 310,000                         | CGS314U6R3V5L          | 0.007                         | 16.9                        | 2.000            | 5.625              | 24,000                          | CGS243U016R3C          | 0.032                           | 5.6                         | 1.375            | 3.125              |
| 480,000                         | CGS484U6R3W4C          | 0.007                         | 19.6                        | 2.500            | 4.125              | 25,000                          | CGS253U016R4C          | 0.016                           | 8.8                         | 1.375            | 4.125              |
| 500,000                         | CGS504U6R3W5L          | 0.005                         | 22.9                        | 2.500            | 5.625              | 25,000                          | CGS253U016V2C          | 0.031                           | 6.1                         | 2.000            | 2.125              |
| 670,000                         | CGS674U6R3X4C          | 0.006                         | 20.7                        | 3.000            | 4.125              | 33,000                          | CGS333U016R4C          | 0.020                           | 7.9                         | 1.375            | 4.125              |
| 900,000                         | CGS904U6R3X5C          | 0.005                         | 23.5                        | 3.000            | 5.125              | 33,000                          | CGS333U016V2C          | 0.028                           | 6.5                         | 2.000            | 2.125              |
| 1,000,000                       | CGS105U6R3X5L          | 0.005                         | 24.5                        | 3.000            | 5.625              | 34,000                          | CGS343U016R4C          | 0.020                           | 9.8                         | 1.375            | 4.125              |
| 1,100,000                       | CGS115U6R3X5R          | 0.004                         | 24.7                        | 3.000            | 5.875              | 34,000                          | CGS343U016V4C          | 0.016                           | 8.8                         | 2.000            | 4.125              |
| <b>7.5 WVdc ( 9 Vdc Surge )</b> |                        |                               |                             |                  |                    | <b>35,000 CGS353U016R2C</b>     |                        |                                 |                             |                  |                    |
| 49,000                          | CGS493U7R5R2C          | 0.030                         | 6.7                         | 1.375            | 2.125              |                                 |                        | 0.030                           | 6.7                         | 1.375            | 2.125              |
| 71,000                          | CGS713U7R5R2L          | 0.023                         | 7.9                         | 1.375            | 2.625              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 92,000                          | CGS923U7R5R3C          | 0.019                         | 8.8                         | 1.375            | 3.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 140,000                         | CGS144U7R5R4C          | 0.014                         | 10.3                        | 1.375            | 4.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 190,000                         | CGS194U7R5V3C          | 0.013                         | 12.5                        | 2.000            | 3.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 200,000                         | CGS204U7R5R5L          | 0.012                         | 10.8                        | 1.375            | 5.625              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 220,000                         | CGS224U7R5U4C          | 0.010                         | 13.1                        | 1.750            | 4.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 290,000                         | CGS294U7R5V4C          | 0.010                         | 14.6                        | 2.000            | 4.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 440,000                         | CGS444U7R5V5L          | 0.007                         | 16.8                        | 2.000            | 5.625              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 470,000                         | CGS474U7R5W4C          | 0.007                         | 19.5                        | 2.500            | 4.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 650,000                         | CGS654U7R5W5L          | 0.005                         | 24.4                        | 3.000            | 4.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 710,000                         | CGS714U7R5W5L          | 0.005                         | 22.8                        | 2.500            | 5.625              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 870,000                         | CGS874U7R5X5C          | 0.005                         | 23.4                        | 3.000            | 5.125              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 980,000                         | CGS984U7R5X5L          | 0.005                         | 24.4                        | 3.000            | 5.625              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| 1,000,000                       | CGS105U7R5X5R          | 0.004                         | 24.7                        | 3.000            | 5.875              |                                 |                        | 0.019                           | 8.8                         | 1.375            | 3.125              |
| <b>10 WVdc ( 12 Vdc Surge )</b> |                        |                               |                             |                  |                    | <b>66,000 CGS663U016R4C</b>     |                        |                                 |                             |                  |                    |
| 7,200                           | CGS722U010R2C          | 0.035                         | 4.5                         | 1.375            | 2.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 12,000                          | CGS123U010R2C          | 0.034                         | 4.6                         | 1.375            | 2.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 14,000                          | CGS143U010R2C          | 0.030                         | 4.9                         | 1.375            | 2.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 18,000                          | CGS183U010R2C          | 0.078                         | 3.1                         | 1.375            | 2.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 20,000                          | CGS203U010R2L          | 0.025                         | 5.9                         | 1.375            | 2.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 26,000                          | CGS263U010R3C          | 0.020                         | 7.0                         | 1.375            | 3.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 33,000                          | CGS333U010R3C          | 0.018                         | 7.4                         | 1.375            | 3.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 43,000                          | CGS433U010R2C          | 0.030                         | 6.7                         | 1.375            | 2.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 44,000                          | CGS443U010V2C          | 0.013                         | 9.4                         | 2.000            | 2.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 62,000                          | CGS623U010R2L          | 0.023                         | 7.9                         | 1.375            | 2.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 81,000                          | CGS813U010R3C          | 0.019                         | 8.8                         | 1.375            | 3.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 94,000                          | CGS943U010V4C          | 0.007                         | 16.3                        | 2.000            | 4.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 110,000                         | CGS114U010W3L          | 0.008                         | 16.7                        | 2.500            | 3.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 120,000                         | CGS124U010R4C          | 0.014                         | 10.3                        | 1.375            | 4.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 170,000                         | CGS174U010V3C          | 0.013                         | 12.5                        | 2.000            | 3.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 180,000                         | CGS184U010R5L          | 0.012                         | 10.8                        | 1.375            | 5.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 200,000                         | CGS204U010U4C          | 0.010                         | 13.1                        | 1.750            | 4.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 250,000                         | CGS254U010V4C          | 0.010                         | 14.6                        | 2.000            | 4.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 390,000                         | CGS394U010V5L          | 0.007                         | 16.8                        | 2.000            | 5.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 410,000                         | CGS414U010W4C          | 0.007                         | 19.5                        | 2.500            | 4.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 580,000                         | CGS584U010W5L          | 0.006                         | 20.6                        | 2.500            | 5.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 630,000                         | CGS634U010W5L          | 0.005                         | 22.8                        | 2.500            | 5.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 780,000                         | CGS784U010X5C          | 0.005                         | 23.4                        | 3.000            | 5.125              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 880,000                         | CGS884U010X5L          | 0.050                         | 24.4                        | 3.000            | 5.625              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| 920,000                         | CGS924U010X5R          | 0.005                         | 24.7                        | 3.000            | 5.875              |                                 |                        | 0.017                           | 10.8                        | 2.000            | 4.125              |
| <b>16 WVdc ( 20 Vdc Surge )</b> |                        |                               |                             |                  |                    | <b>90,000 CGS903U016R4C</b>     |                        |                                 |                             |                  |                    |
| 5,500                           | CGS552U016R2C          | 0.037                         | 4.4                         | 1.375            | 2.125              |                                 |                        | 0.014                           | 10.3                        | 1.375            | 4.125              |
| 8,900                           | CGS892U016R2C          | 0.034                         | 4.6                         | 1.375            | 2.125              |                                 |                        | 0.014                           | 10.3                        | 1.375            | 4.125              |
| 10,000                          | CGS103U016R2C          | 0.033                         | 4.7                         | 1.375            | 2.125              |                                 |                        | 0.014                           | 10.3                        | 1.375            | 4.125              |
| 10,000                          | CGS103U016R3C          | 0.024                         | 6.4                         | 1.375            | 3.125              |                                 |                        | 0.014                           | 10.3                        | 1.375            | 4.125              |
| <b>20 WVdc ( 22 Vdc Surge )</b> |                        |                               |                             |                  |                    | <b>91,000 CGS913U016V4C</b>     |                        |                                 |                             |                  |                    |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.009                           | 14.7                        | 2.000            | 4.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.007                           | 22.5                        | 3.000            | 5.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.010                           | 16                          | 2.500            | 4.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.007                           | 20.1                        | 3.000            | 3.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.010                           | 12.6                        | 1.375            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.011                           | 12.5                        | 2.000            | 3.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.009                           | 17.6                        | 2.500            | 4.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.007                           | 19.3                        | 3.000            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.010                           | 13.1                        | 1.750            | 4.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.004                           | 23.5                        | 2.000            | 4.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.006                           | 24.3                        | 3.000            | 4.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.007                           | 19.5                        | 2.000            | 4.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.005                           | 29.2                        | 3.000            | 5.875              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.005                           | 25.2                        | 3.000            | 4.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.003                           | 29.8                        | 2.000            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.005                           | 21.1                        | 2.000            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.005                           | 22.7                        | 2.500            | 4.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.004                           | 30.4                        | 2.500            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.004                           | 32.3                        | 3.000            | 5.125              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.002                           | 44.9                        | 3.000            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.002                           | 30.0                        | 3.000            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.003                           | 35.0                        | 3.000            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.003                           | 35.8                        | 3.000            | 5.875              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.007                           | 23.8                        | 3.000            | 8.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | <b>20 WVdc ( 22 Vdc Surge )</b> |                             |                  |                    |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.006                           | 29.0                        | 3.000            | 3.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.004                           | 37.0                        | 3.000            | 5.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.003                           | 41.0                        | 3.000            | 8.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.003                           | 41.0                        | 3.000            | 8.625              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.003                           | 40.0                        | 3.000            | 5.875              |
|                                 |                        |                               |                             |                  |                    |                                 |                        | 0.003                           | 41.0                        | 3.000            | 8.625              |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>(µF)                     | Catalog<br>Part Number | Max<br>Ripple                   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|---------------------------------|------------------------|---------------------------------|-----------------------------|------------------|--------------------|
|                                 |                        | Typical<br>ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| <b>25 WVdc ( 30 Vdc Surge )</b> |                        |                                 |                             |                  |                    |
| 3,000                           | CGS302U025R2C          | 0.235                           | 1.8                         | 1.375            | 2.125              |
| 4,700                           | CGS472U025R2C          | 0.101                           | 2.7                         | 1.375            | 2.125              |
| 5,600                           | CGS562U025R3C          | 0.026                           | 6.1                         | 1.375            | 3.125              |
| 6,000                           | CGS602U025R2C          | 0.035                           | 4.5                         | 1.375            | 2.125              |
| 6,800                           | CGS682U025R2C          | 0.096                           | 2.8                         | 1.375            | 2.125              |
| 8,200                           | CGS822U025R4C          | 0.019                           | 8.1                         | 1.375            | 4.125              |
| 8,900                           | CGS892U025R3C          | 0.024                           | 6.4                         | 1.375            | 3.125              |
| 10,000                          | CGS103U025R3C          | 0.024                           | 6.4                         | 1.375            | 3.125              |
| 12,000                          | CGS123U025R3C          | 0.024                           | 8.1                         | 2.000            | 3.125              |
| 12,000                          | CGS123U025V3C          | 0.023                           | 6.6                         | 1.375            | 3.125              |
| 13,000                          | CGS133U025R4C          | 0.082                           | 3.9                         | 1.375            | 4.125              |
| 14,000                          | CGS143U025U3C          | 0.046                           | 5.3                         | 1.750            | 3.125              |
| 14,000                          | CGS143U025V2C          | 0.037                           | 5.6                         | 2.000            | 2.125              |
| 16,000                          | CGS163U025R4C          | 0.017                           | 8.5                         | 1.375            | 4.125              |
| 18,000                          | CGS183U025R4C          | 0.017                           | 8.6                         | 1.375            | 4.125              |
| 18,000                          | CGS183U025V4C          | 0.052                           | 6.1                         | 2.000            | 4.125              |
| 20,000                          | CGS203U025R3C          | 0.023                           | 6.5                         | 1.375            | 3.125              |
| 20,000                          | CGS203U025R5C          | 0.014                           | 10.3                        | 1.375            | 5.125              |
| 20,000                          | CGS203U025V3C          | 0.024                           | 8.0                         | 2.000            | 3.125              |
| 22,000                          | CGS223U025R2C          | 0.032                           | 6.4                         | 1.375            | 2.125              |
| 22,000                          | CGS223U025V2C          | 0.043                           | 5.2                         | 2.000            | 2.125              |
| 28,000                          | CGS283U025V3C          | 0.028                           | 7.5                         | 2.000            | 3.125              |
| 29,000                          | CGS293U025V4C          | 0.018                           | 10.5                        | 2.000            | 4.125              |
| 30,000                          | CGS303U025W3C          | 0.029                           | 8.4                         | 2.500            | 3.125              |
| 31,000                          | CGS313U025R2L          | 0.024                           | 7.6                         | 1.375            | 2.625              |
| 32,000                          | CGS323U025V4C          | 0.018                           | 10.3                        | 2.000            | 4.125              |
| 33,000                          | CGS333U025V3C          | 0.018                           | 9.3                         | 2.000            | 3.125              |
| 40,000                          | CGS403U025R3C          | 0.020                           | 8.4                         | 1.375            | 3.125              |
| 41,000                          | CGS413U025V4C          | 0.020                           | 9.8                         | 2.000            | 4.125              |
| 43,000                          | CGS433U025R4C          | 0.022                           | 8.5                         | 1.375            | 4.125              |
| 43,000                          | CGS433U025X4C          | 0.021                           | 12.2                        | 3.000            | 4.125              |
| 47,000                          | CGS473U025V4C          | 0.022                           | 9.5                         | 2.000            | 4.125              |
| 50,000                          | CGS503U025V5L          | 0.018                           | 11.7                        | 2.000            | 5.625              |
| 50,000                          | CGS503U025W3L          | 0.010                           | 14.9                        | 2.500            | 3.625              |
| 57,000                          | CGS573U025X5C          | 0.017                           | 14.6                        | 3.000            | 5.125              |
| 58,000                          | CGS583U025R4C          | 0.014                           | 10.0                        | 1.375            | 4.125              |
| 65,000                          | CGS653U025W4C          | 0.009                           | 16.5                        | 2.500            | 4.125              |
| 68,000                          | CGS683U025V4C          | 0.006                           | 17.9                        | 2.000            | 4.125              |
| 70,000                          | CGS703U025X4C          | 0.010                           | 18.1                        | 3.000            | 4.125              |
| 82,000                          | CGS823U025V3C          | 0.011                           | 15.5                        | 2.000            | 3.125              |
| 85,000                          | CGS853U025R5L          | 0.011                           | 12.2                        | 1.375            | 5.625              |
| 90,000                          | CGS903U025W5L          | 0.007                           | 21.4                        | 2.500            | 5.625              |
| 92,000                          | CGS923U025X5C          | 0.008                           | 21.6                        | 3.000            | 5.125              |
| 95,000                          | CGS953U025X4C          | 0.011                           | 16.9                        | 3.000            | 4.125              |
| 100,000                         | CGS104U025U4C          | 0.010                           | 12.7                        | 1.750            | 4.125              |
| 100,000                         | CGS104U025V5L          | 0.005                           | 22.8                        | 2.000            | 5.625              |
| 100,000                         | CGS104U025X3L          | 0.011                           | 16.0                        | 3.000            | 3.625              |
| 110,000                         | CGS114U025X5C          | 0.008                           | 20.7                        | 3.000            | 5.125              |
| 110,000                         | CGS114U025X5L          | 0.009                           | 20.9                        | 3.000            | 5.625              |
| 120,000                         | CGS124U025V4C          | 0.008                           | 15.5                        | 2.000            | 4.125              |
| 120,000                         | CGS124U025X4C          | 0.010                           | 17.9                        | 3.000            | 4.125              |
| 120,000                         | CGS124U050X5L          | 0.007                           | 21.6                        | 3.000            | 5.625              |
| 180,000                         | CGS184U025X4C          | 0.004                           | 30.3                        | 3.000            | 4.125              |
| 190,000                         | CGS194U025V5L          | 0.006                           | 20.4                        | 2.000            | 5.625              |
| 200,000                         | CGS204U025W4C          | 0.005                           | 22.0                        | 2.500            | 4.125              |
| 204,000                         | CGS2043U025X8L         | 0.006                           | 29.9                        | 3.000            | 8.625              |
| 270,000                         | CGS274U025X5L          | 0.003                           | 36.6                        | 3.000            | 5.625              |
| 270,000                         | CGS274UHX5L3PD         | 0.003                           | 30.0                        | 3.000            | 5.625              |
| 300,000                         | CGS304U025W5L          | 0.005                           | 26.2                        | 2.500            | 5.625              |
| 310,000                         | CGS314U025W5L          | 0.004                           | 29.6                        | 2.500            | 5.625              |
| 400,000                         | CGS404U025X5C          | 0.004                           | 31.6                        | 3.000            | 5.125              |
| 450,000                         | CGS454U025X5L          | 0.003                           | 34.3                        | 3.000            | 5.625              |
| 480,000                         | CGS484U025X5R          | 0.003                           | 35.0                        | 3.000            | 5.875              |
| 740,000                         | CGS744U025X8L          | 0.002                           | 48.3                        | 3.000            | 8.625              |

  

| Cap<br>(µF)                     | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|---------------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                                 |                        | ESR<br>120 Hz<br>(Ω) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| <b>30 WVdc ( 40 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 4,500                           | CGS452U030R2C          | 0.037                | 4.4                         | 1.375            | 2.125              |
| 5,000                           | CGS502U030R2C          | 0.037                | 4.5                         | 1.375            | 2.125              |
| 8,000                           | CGS802U030R3C          | 0.024                | 6.4                         | 1.375            | 3.125              |
| 9,200                           | CGS922U030R3C          | 0.024                | 6.4                         | 1.375            | 3.125              |
| 12,000                          | CGS123U030R4C          | 0.018                | 8.4                         | 1.375            | 4.125              |
| 13,000                          | CGS133U030R4C          | 0.018                | 8.4                         | 1.375            | 4.125              |
| 15,000                          | CGS153U030R4L          | 0.016                | 9.3                         | 1.375            | 4.625              |
| 20,000                          | CGS203U030R5L          | 0.013                | 11.0                        | 1.375            | 5.625              |
| 30,000                          | CGS303U030V4C          | 0.019                | 10.0                        | 2.000            | 4.125              |
| 33,000                          | CGS333U030V4C          | 0.020                | 9.8                         | 2.000            | 4.125              |
| 44,000                          | CGS443U030W3C          | 0.015                | 11.7                        | 2.500            | 3.125              |
| 50,000                          | CGS503U030V5L          | 0.016                | 12.7                        | 2.000            | 5.625              |
| 55,000                          | CGS553U030W4C          | 0.009                | 16.3                        | 2.500            | 4.125              |
| 78,000                          | CGS783U030X4C          | 0.011                | 16.8                        | 3.000            | 4.125              |
| 100,000                         | CGS104U030X5L          | 0.008                | 22.4                        | 3.000            | 5.625              |
| <b>35 WVdc ( 45 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 4,400                           | CGS442U035R2C          | 0.145                | 2.2                         | 1.375            | 2.125              |
| 8,200                           | CGS822U035R3C          | 0.024                | 6.4                         | 1.375            | 3.125              |
| 10,000                          | CGS103U035V2C          | 0.038                | 5.5                         | 2.000            | 2.125              |
| 12,000                          | CGS123U035R4C          | 0.018                | 8.4                         | 1.375            | 4.125              |
| 21,000                          | CGS213U035R3C          | 0.023                | 6.4                         | 1.375            | 3.125              |
| 21,000                          | CGS213U035V3C          | 0.029                | 7.3                         | 2.000            | 3.125              |
| 30,000                          | CGS303U035W3C          | 0.028                | 8.6                         | 2.500            | 3.125              |
| 31,000                          | CGS313U035V4C          | 0.021                | 9.6                         | 2.000            | 4.125              |
| 60,000                          | CGS603U035X5C          | 0.010                | 19.7                        | 3.000            | 5.125              |
| 70,000                          | CGS703U035X4C          | 0.012                | 16.6                        | 3.000            | 4.125              |
| <b>40 WVdc ( 50 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 2,200                           | CGS222U040R2C          | 0.044                | 4.1                         | 1.375            | 2.125              |
| 2,700                           | CGS272U040R2C          | 0.042                | 4.2                         | 1.375            | 2.125              |
| 3,500                           | CGS352U040R2C          | 0.038                | 4.4                         | 1.375            | 2.125              |
| 4,200                           | CGS422U040R3C          | 0.028                | 6.0                         | 1.375            | 3.125              |
| 4,700                           | CGS472U040R2C          | 0.036                | 4.5                         | 1.375            | 2.125              |
| 5,100                           | CGS512U040R3C          | 0.026                | 6.1                         | 1.370            | 3.125              |
| 6,000                           | CGS602U040R3C          | 0.025                | 6.2                         | 1.375            | 3.125              |
| 6,200                           | CGS622U040R4C          | 0.020                | 7.9                         | 1.375            | 4.125              |
| 7,500                           | CGS752U040R4C          | 0.019                | 8.1                         | 1.375            | 4.125              |
| 9,000                           | CGS902U040R4C          | 0.019                | 8.2                         | 1.375            | 4.125              |
| 9,300                           | CGS932U040V3C          | 0.024                | 8.1                         | 2.000            | 3.125              |
| 11,000                          | CGS113U040V3C          | 0.024                | 8.0                         | 2.000            | 3.125              |
| 12,000                          | CGS123U040R4C          | 0.049                | 5.0                         | 1.375            | 4.125              |
| 12,000                          | CGS123U040V2C          | 0.067                | 4.2                         | 2.000            | 2.125              |
| 13,000                          | CGS133U040R2C          | 0.033                | 6.0                         | 1.375            | 2.125              |
| 13,000                          | CGS133U040V4C          | 0.017                | 10.5                        | 2.000            | 4.125              |
| 17,000                          | CGS173U040R3C          | 0.025                | 6.1                         | 1.375            | 3.125              |
| 17,000                          | CGS173U040V3C          | 0.029                | 7.4                         | 2.000            | 3.125              |
| 17,000                          | CGS173U040V4C          | 0.018                | 10.4                        | 2.000            | 4.125              |
| 18,000                          | CGS183U040R2L          | 0.025                | 7.1                         | 1.375            | 2.625              |
| 20,000                          | CGS203U040V5L          | 0.014                | 13.6                        | 2.000            | 5.625              |
| 22,000                          | CGS223U040V3C          | 0.031                | 7.1                         | 2.000            | 3.125              |
| 23,000                          | CGS233U040R3C          | 0.021                | 7.9                         | 1.375            | 3.125              |
| 23,000                          | CGS233U040V4C          | 0.020                | 9.9                         | 2.000            | 4.125              |
| 32,000                          | CGS323U040V4C          | 0.021                | 9.5                         | 2.000            | 4.125              |
| 33,000                          | CGS333U040V4C          | 0.021                | 9.7                         | 2.000            | 4.125              |
| 34,000                          | CGS343U040R4C          | 0.015                | 9.4                         | 1.375            | 4.125              |
| 35,000                          | CGS353U040V5L          | 0.015                | 12.8                        | 2.000            | 5.625              |
| 40,000                          | CGS403U040V3C          | 0.014                | 9.9                         | 2.000            | 3.125              |
| 40,000                          | CGS403U040W4C          | 0.010                | 16.3                        | 2.500            | 4.125              |
| 40,000                          | CGS403U040X4C          | 0.010                | 18.1                        | 3.000            | 4.125              |
| 43,000                          | CGS433U040X5C          | 0.020                | 13.8                        | 3.000            | 5.125              |
| 47,000                          | CGS473U040V3C          | 0.014                | 11.0                        | 2.000            | 3.125              |
| 47,000                          | CGS473U040W4C          | 0.010                | 15.8                        | 2.500            | 4.125              |



# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>( $\mu$ F)               | Catalog<br>Part Number | Typical Max Ripple            |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|---------------------------------|------------------------|-------------------------------|-----------------------------|------------------|--------------------|
|                                 |                        | ESR<br>120 Hz<br>( $\Omega$ ) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| <b>40 WVdc ( 50 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 49,000                          | CGS493U040R5L          | 0.013                         | 11.0                        | 1.375            | 5.625              |
| 53,000                          | CGS533U040X5C          | 0.008                         | 21.5                        | 3.000            | 5.125              |
| 55,000                          | CGS553U040W5L          | 0.011                         | 16.9                        | 2.500            | 5.625              |
| 61,000                          | CGS613U040U4C          | 0.011                         | 11.4                        | 1.750            | 4.125              |
| 68,000                          | CGS683U040X4C          | 0.012                         | 16.0                        | 3.000            | 4.125              |
| 71,000                          | CGS713U040V4C          | 0.010                         | 14.0                        | 2.000            | 4.125              |
| 78,000                          | CGS783U040X6L          | 0.009                         | 22.7                        | 3.000            | 6.625              |
| 110,000                         | CGS114U040V5L          | 0.007                         | 18.6                        | 2.000            | 5.625              |
| 120,000                         | CGS124U040W4C          | 0.006                         | 20.0                        | 2.500            | 4.125              |
| 150,000                         | CGS154U040X5L          | 0.003                         | 36.6                        | 3.000            | 5.625              |
| 150,000                         | CGS154ULX5L3PD         | 0.003                         | 30.0                        | 3.000            | 5.625              |
| 180,000                         | CGS184U040W5L          | 0.005                         | 27.0                        | 2.500            | 5.625              |
| 230,000                         | CGS234U040X5C          | 0.004                         | 29.5                        | 3.000            | 5.125              |
| 260,000                         | CGS264U040X5L          | 0.004                         | 32.1                        | 3.000            | 5.625              |
| 280,000                         | CGS284U040X5R          | 0.004                         | 32.7                        | 3.000            | 5.875              |
| 430,000                         | CGS434U040X8L          | 0.003                         | 45.6                        | 3.000            | 8.625              |
| <b>50 WVdc ( 65 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 1,600                           | CGS162U050R2C          | 0.048                         | 3.9                         | 1.375            | 2.125              |
| 2,200                           | CGS222U050R2C          | 0.044                         | 4.1                         | 1.375            | 2.125              |
| 2,900                           | CGS292U050R3C          | 0.03                          | 5.7                         | 1.375            | 3.125              |
| 3,000                           | CGS302U050R2C          | 0.04                          | 4.3                         | 1.375            | 2.125              |
| 3,300                           | CGS332U050R2C          | 0.182                         | 2.0                         | 1.375            | 2.125              |
| 4,100                           | CGS412U050R3C          | 0.022                         | 7.6                         | 1.375            | 3.125              |
| 4,300                           | CGS432U050R4C          | 0.022                         | 7.6                         | 1.375            | 4.125              |
| 4,900                           | CGS492U050R3L          | 0.023                         | 7.0                         | 1.375            | 3.625              |
| 5,000                           | CGS502U050R3C          | 0.026                         | 6.1                         | 1.375            | 3.125              |
| 5,700                           | CGS572U050R3C          | 0.096                         | 3.2                         | 1.375            | 3.125              |
| 6,100                           | CGS612U050R4C          | 0.02                          | 7.9                         | 1.375            | 4.125              |
| 6,500                           | CGS652U050V3C          | 0.025                         | 7.9                         | 2.000            | 3.125              |
| 6,700                           | CGS672U050R3L          | 0.022                         | 7.2                         | 1.375            | 3.625              |
| 6,800                           | CGS682U050R3C          | 0.024                         | 6.4                         | 1.375            | 3.125              |
| 7,500                           | CGS752U050R4C          | 0.019                         | 8.1                         | 1.375            | 4.125              |
| 8,000                           | CGS802U050V2C          | 0.043                         | 5.2                         | 2.000            | 2.125              |
| 9,600                           | CGS962U050R2C          | 0.036                         | 5.6                         | 1.375            | 2.125              |
| 9,600                           | CGS962U050V4C          | 0.018                         | 10.3                        | 2.000            | 4.125              |
| 10,000                          | CGS103U050R4C          | 0.017                         | 8.5                         | 1.375            | 4.125              |
| 10,000                          | CGS103U050V2C          | 0.049                         | 4.9                         | 2.000            | 2.125              |
| 12,000                          | CGS123U050R5L          | 0.014                         | 10.7                        | 1.375            | 5.625              |
| 13,000                          | CGS133U050R2L          | 0.027                         | 6.7                         | 1.375            | 2.625              |
| 13,000                          | CGS133U050R3C          | 0.031                         | 6.2                         | 1.375            | 3.125              |
| 13,000                          | CGS133U050V3C          | 0.029                         | 7.3                         | 2.000            | 3.125              |
| 14,000                          | CGS143U050V5L          | 0.031                         | 7.1                         | 2.000            | 5.625              |
| 14,500                          | CGS1452U050V3C         | 0.022                         | 7.3                         | 2.000            | 3.125              |
| 15,000                          | CGS153U050V4C          | 0.019                         | 10.0                        | 2.000            | 4.125              |
| 17,000                          | CGS173U050R3C          | 0.022                         | 7.5                         | 1.375            | 3.125              |
| 18,000                          | CGS183U050V3C          | 0.034                         | 6.8                         | 2.000            | 3.125              |
| 20,000                          | CGS203U050R4C          | 0.019                         | 8.2                         | 1.375            | 4.125              |
| 20,000                          | CGS203U050V4C          | 0.021                         | 9.5                         | 2.000            | 4.125              |
| 20,000                          | CGS203U050V5L          | 0.014                         | 13.2                        | 2.000            | 5.625              |
| 24,000                          | CGS243U050W3C          | 0.014                         | 12.1                        | 2.500            | 3.125              |
| 25,000                          | CGS253U050R4C          | 0.016                         | 8.9                         | 1.375            | 4.125              |
| 25,000                          | CGS253U050U4C          | 0.021                         | 9.8                         | 1.750            | 4.125              |
| 25,000                          | CGS253U050W4C          | 0.024                         | 10.2                        | 2.500            | 4.125              |
| 27,000                          | CGS273U050V4C          | 0.022                         | 9.3                         | 2.000            | 4.125              |
| 28,000                          | CGS283U050V5C          | 0.018                         | 11.4                        | 2.000            | 5.125              |
| 30,000                          | CGS303U050V5L          | 0.016                         | 12.4                        | 2.000            | 5.625              |
| 31,000                          | CGS313U050W4C          | 0.028                         | 9.6                         | 2.500            | 4.125              |
| 33,000                          | CGS333U050W4C          | 0.025                         | 10.0                        | 2.500            | 4.125              |
| 35,000                          | CGS353U050V3C          | 0.016                         | 10.5                        | 2.000            | 3.125              |
| 37,000                          | CGS373U050R5L          | 0.012                         | 11.8                        | 1.375            | 5.625              |
| 41,000                          | CGS413U050X4L          | 0.009                         | 19.2                        | 3.000            | 4.625              |
| 43,000                          | CGS433U050X5C          | 0.023                         | 12.7                        | 3.000            | 5.125              |
| 45,000                          | CGS453U050U4C          | 0.012                         | 11.0                        | 1.750            | 4.125              |

| Cap<br>( $\mu$ F)               | Catalog<br>Part Number | Typical Max Ripple            |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|---------------------------------|------------------------|-------------------------------|-----------------------------|------------------|--------------------|
|                                 |                        | ESR<br>120 Hz<br>( $\Omega$ ) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| <b>50 WVdc (65 Vdc Surge )</b>  |                        |                               |                             |                  |                    |
| 48,000                          | CGS483U050X4C          | 0.012                         | 16.2                        | 3.0              | 4.125              |
| 50,000                          | CGS503U050W5L          | 0.008                         | 20.4                        | 2.5              | 5.625              |
| 51,000                          | CGS513U050X5R          | 0.010                         | 18.4                        | 3.0              | 5.875              |
| 53,000                          | CGS533U050V4C          | 0.011                         | 13.3                        | 2.0              | 4.125              |
| 56,000                          | CGS563U050X3L          | 0.005                         | 23.1                        | 3.0              | 3.625              |
| 60,000                          | CGS603U050X5C          | 0.010                         | 19.8                        | 3.0              | 5.125              |
| 68,000                          | CGS683U050X4C          | 0.017                         | 15.0                        | 3.0              | 4.125              |
| 70,000                          | CGS703U050X5L          | 0.016                         | 15.7                        | 3.0              | 5.625              |
| 79,000                          | CGS793U050V5L          | 0.008                         | 17.7                        | 2.0              | 5.625              |
| 82,000                          | CGS823U050X4C          | 0.004                         | 29.2                        | 3.0              | 4.125              |
| 87,000                          | CGS873U050W4C          | 0.007                         | 19.1                        | 2.5              | 4.125              |
| 100,000                         | CGS104U050X8L          | 0.007                         | 29.3                        | 3.0              | 8.625              |
| 120,000                         | CGS124U050X5L          | 0.003                         | 36.6                        | 3.0              | 5.625              |
| 120,000                         | CGS124UNX5L3PD         | 0.003                         | 30.0                        | 3.0              | 5.625              |
| 130,000                         | CGS134U050W5L          | 0.005                         | 25.8                        | 2.5              | 5.625              |
| 190,000                         | CGS194U050X5L          | 0.004                         | 31.0                        | 3.0              | 5.625              |
| 210,000                         | CGS214U050X5R          | 0.004                         | 31.6                        | 3.0              | 5.875              |
| 320,000                         | CGS324U050X8L          | 0.006                         | 30.7                        | 3.0              | 8.625              |
| <b>63 WVdc ( 75 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 6,100                           | CGS612U063R2C          | 0.043                         | 5.0                         | 1.375            | 2.125              |
| 8,900                           | CGS892U063R2L          | 0.032                         | 6.0                         | 1.375            | 2.625              |
| 12,000                          | CGS123U063R3C          | 0.027                         | 6.7                         | 1.375            | 3.125              |
| 14,000                          | CGS143U063R4C          | 0.019                         | 8.1                         | 1.375            | 4.125              |
| 19,000                          | CGS193U063V3C          | 0.021                         | 9.2                         | 2.000            | 3.125              |
| 20,000                          | CGS203U063R5L          | 0.015                         | 9.3                         | 1.375            | 5.625              |
| 28,000                          | CGS283U063U4C          | 0.014                         | 10.3                        | 1.750            | 4.125              |
| 36,000                          | CGS363U063V4C          | 0.014                         | 11.5                        | 2.000            | 4.125              |
| 55,000                          | CGS553U063V5L          | 0.010                         | 14.6                        | 2.000            | 5.625              |
| 60,000                          | CGS603U063W4C          | 0.010                         | 15.6                        | 2.500            | 4.125              |
| 89,000                          | CGS893U063W5L          | 0.010                         | 18.0                        | 2.500            | 5.625              |
| 91,000                          | CGS913U063W5L          | 0.007                         | 20.0                        | 2.500            | 5.625              |
| 120,000                         | CGS124U063X5C          | 0.007                         | 21.3                        | 3.000            | 5.125              |
| 140,000                         | CGS144U063X5L          | 0.007                         | 23.2                        | 3.000            | 5.625              |
| 150,000                         | CGS154U063X5R          | 0.007                         | 23.7                        | 3.000            | 5.875              |
| 210,000                         | CGS214U063X8L          | 0.012                         | 21.3                        | 3.000            | 8.625              |
| <b>75 WVdc ( 95 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 820                             | CGS821U075R2C          | 0.591                         | 1.1                         | 1.375            | 2.125              |
| 1,500                           | CGS152U075R3C          | 0.041                         | 4.9                         | 1.375            | 3.125              |
| 2,100                           | CGS212U075R3C          | 0.036                         | 5.3                         | 1.375            | 3.125              |
| 2,200                           | CGS222U075R2C          | 0.041                         | 4.2                         | 1.375            | 2.125              |
| 2,300                           | CGS232U075R4C          | 0.028                         | 6.6                         | 1.375            | 4.125              |
| 2,500                           | CGS252U075R4C          | 0.096                         | 3.2                         | 1.375            | 4.125              |
| 2,900                           | CGS292U075R3C          | 0.032                         | 5.6                         | 1.375            | 3.125              |
| 3,300                           | CGS332U075R3C          | 0.120                         | 2.9                         | 1.375            | 3.125              |
| 4,200                           | CGS422U075R4C          | 0.023                         | 7.4                         | 1.375            | 4.125              |
| 4,800                           | CGS482U075R3C          | 0.031                         | 6.7                         | 1.375            | 3.125              |
| 4,800                           | CGS482U075V3C          | 0.030                         | 7.2                         | 2.000            | 3.125              |
| 5,000                           | CGS502U075R2C          | 0.058                         | 4.4                         | 1.375            | 2.125              |
| 5,600                           | CGS562U075R4C          | 0.021                         | 7.8                         | 1.375            | 4.125              |
| 6,300                           | CGS632U075R5L          | 0.017                         | 9.8                         | 1.375            | 5.625              |
| 7,000                           | CGS702U075R2L          | 0.044                         | 5.3                         | 1.375            | 2.625              |
| 7,100                           | CGS712U075V4C          | 0.022                         | 9.5                         | 2.000            | 4.125              |
| 7,300                           | CGS732U075V3C          | 0.078                         | 4.5                         | 2.000            | 3.125              |
| 7,500                           | CGS752U075V5L          | 0.017                         | 12.3                        | 2.000            | 5.625              |
| 9,000                           | CGS902U075R3C          | 0.036                         | 5.9                         | 1.375            | 3.125              |
| 10,000                          | CGS103U075R3C          | 0.029                         | 5.8                         | 1.375            | 3.125              |
| 10,000                          | CGS103U075V3C          | 0.041                         | 6.2                         | 2.000            | 3.125              |
| 10,000                          | CGS103U075V4C          | 0.024                         | 9.0                         | 2.000            | 4.125              |
| 12,000                          | CGS123U075R4C          | 0.021                         | 7.6                         | 1.375            | 4.125              |
| 12,000                          | CGS123U075V4C          | 0.026                         | 8.7                         | 2.000            | 4.125              |
| 13,000                          | CGS133U075R4C          | 0.026                         | 7.2                         | 1.375            | 4.125              |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>( $\mu$ F)                | Catalog<br>Part Number | Typical Max Ripple            |                             |                  |                    |
|----------------------------------|------------------------|-------------------------------|-----------------------------|------------------|--------------------|
|                                  |                        | ESR<br>120 Hz<br>( $\Omega$ ) | 120 Hz<br>+85 °C<br>(A) RMS | Dia.<br>(Inches) | Length<br>(Inches) |
| <b>75 WVdc (95 Vdc Surge )</b>   |                        |                               |                             |                  |                    |
| 15,000                           | CGS153U075V5L          | 0.018                         | 11.9                        | 2.000            | 5.625              |
| 17,000                           | CGS173U075W4C          | 0.033                         | 8.8                         | 2.500            | 4.125              |
| 17,000                           | CGS173U075X4C          | 0.033                         | 9.8                         | 3.000            | 4.125              |
| 18,000                           | CGS183U075V3C          | 0.023                         | 8.9                         | 2.000            | 3.125              |
| 18,000                           | CGS183U075V4C          | 0.009                         | 14.5                        | 2.000            | 4.125              |
| 19,000                           | CGS193U075R5L          | 0.019                         | 7.8                         | 1.375            | 5.625              |
| 23,000                           | CGS233U075U4C          | 0.017                         | 9.8                         | 1.750            | 4.125              |
| 25,000                           | CGS253U075X4C          | 0.039                         | 9.0                         | 3.000            | 4.125              |
| 25,000                           | CGS253U075W5L          | 0.024                         | 11.7                        | 2.500            | 5.625              |
| 25,000                           | CGS253U075X4C          | 0.014                         | 15.0                        | 3.000            | 4.125              |
| 26,000                           | CGS263U075V4C          | 0.028                         | 10.3                        | 2.000            | 4.125              |
| 26,000                           | CGS263U075X5R          | 0.037                         | 10.6                        | 3.000            | 5.875              |
| 27,000                           | CGS273U075V4C          | 0.016                         | 11.0                        | 2.000            | 4.125              |
| 27,000                           | CGS273U075X3L          | 0.019                         | 12.5                        | 3.000            | 3.625              |
| 33,000                           | CGS333U075X4C          | 0.019                         | 12.7                        | 3.000            | 4.125              |
| 37,000                           | CGS373U075V5L          | 0.011                         | 16.4                        | 2.000            | 5.625              |
| 37,000                           | CGS373U075X5L          | 0.010                         | 19.7                        | 3.000            | 5.625              |
| 41,000                           | CGS413U075V5L          | 0.011                         | 14.6                        | 2.000            | 5.625              |
| 45,000                           | CGS453U075W4C          | 0.012                         | 14.7                        | 2.500            | 4.125              |
| 55,000                           | CGS553U075X8L          | 0.008                         | 27.4                        | 3.000            | 8.625              |
| 68,000                           | CGS683U075W5L          | 0.008                         | 20.0                        | 2.500            | 5.625              |
| 68,000                           | CGS683U075X5L          | 0.005                         | 30.0                        | 3.000            | 5.625              |
| 90,000                           | CGS903U075X5C          | 0.008                         | 21.3                        | 3.000            | 5.125              |
| 100,000                          | CGS104U075X5L          | 0.007                         | 23.2                        | 3.000            | 5.625              |
| 110,000                          | CGS114U075X5R          | 0.007                         | 23.7                        | 3.000            | 5.875              |
| 140,000                          | CGS144U075X8L          | 0.012                         | 21.3                        | 3.000            | 8.625              |
| <b>100 WVdc (125 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 850                              | CGS851U100R2C          | 0.120                         | 2.5                         | 1.375            | 2.125              |
| 1,200                            | CGS122U100R3C          | 0.062                         | 3.5                         | 1.375            | 3.125              |
| 1,700                            | CGS172U100R3C          | 0.069                         | 3.8                         | 1.375            | 3.125              |
| 2,400                            | CGS242U100R4C          | 0.050                         | 5.0                         | 1.375            | 4.125              |
| 3,100                            | CGS312U100R2C          | 0.068                         | 4.0                         | 1.375            | 2.125              |
| 3,100                            | CGS312U100R5C          | 0.036                         | 6.4                         | 1.375            | 5.125              |
| 4,000                            | CGS402U100R4C          | 0.031                         | 6.2                         | 1.375            | 4.125              |
| 4,000                            | CGS402U100V4C          | 0.036                         | 7.3                         | 2.000            | 4.125              |
| 4,500                            | CGS452U100R2L          | 0.051                         | 4.8                         | 1.375            | 2.625              |
| 5,900                            | CGS592U100R3C          | 0.042                         | 5.4                         | 1.375            | 3.125              |
| 6,000                            | CGS602U100V4C          | 0.033                         | 7.6                         | 2.000            | 4.125              |
| 8,600                            | CGS862U100R4C          | 0.029                         | 6.5                         | 1.375            | 4.125              |
| 9,000                            | CGS902U100V5L          | 0.024                         | 10.2                        | 2.000            | 5.625              |
| 10,000                           | CGS103U100W4C          | 0.040                         | 8.0                         | 2.500            | 4.125              |
| 12,000                           | CGS123U100V3C          | 0.026                         | 7.7                         | 2.000            | 3.125              |
| 13,000                           | CGS133U100R5L          | 0.024                         | 7.2                         | 1.375            | 5.625              |
| 15,000                           | CGS153U100V4C          | 0.036                         | 7.3                         | 2.000            | 4.125              |
| 15,000                           | CGS153U100W5L          | 0.043                         | 8.6                         | 2.500            | 5.625              |
| 15,000                           | CGS153U100X4C          | 0.051                         | 7.9                         | 3.000            | 4.125              |
| 16,000                           | CGS163U100U4C          | 0.019                         | 8.9                         | 1.750            | 4.125              |
| 18,000                           | CGS183U100V4C          | 0.018                         | 10.5                        | 2.000            | 4.125              |
| 28,000                           | CGS283U100V5L          | 0.012                         | 14.0                        | 2.000            | 4.625              |
| 30,000                           | CGS303U100W4C          | 0.011                         | 15.2                        | 2.500            | 4.125              |
| 33,000                           | CGS333U100X8L          | 0.009                         | 25.0                        | 3.000            | 8.625              |
| 39,000                           | CGS393U100X5R          | 0.011                         | 15.8                        | 3.000            | 5.875              |
| 45,000                           | CGS453U100W5L          | 0.010                         | 18.1                        | 3.000            | 4.125              |
| 46,000                           | CGS463U100W5L          | 0.008                         | 20.1                        | 2.500            | 5.625              |
| 60,000                           | CGS603U100X5C          | 0.009                         | 20.6                        | 3.000            | 5.125              |
| 68,000                           | CGS683U100X5L          | 0.008                         | 22.5                        | 3.000            | 5.625              |
| 74,000                           | CGS743U100X5R          | 0.007                         | 23.3                        | 3.000            | 5.875              |
| 96,000                           | CGS963U100X8L          | 0.013                         | 20.9                        | 3.000            | 8.625              |
| <b>150 WVdc (175 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 400                              | CGS401U150R2C          | 0.137                         | 2.3                         | 1.375            | 2.125              |
| 720                              | CGS721U150R3C          | 0.063                         | 3.5                         | 1.375            | 3.125              |

| Cap<br>( $\mu$ F)                | Catalog<br>Part Number | Typical Max Ripple            |                             |                  |                    |
|----------------------------------|------------------------|-------------------------------|-----------------------------|------------------|--------------------|
|                                  |                        | ESR<br>120 Hz<br>( $\Omega$ ) | 120 Hz<br>+85 °C<br>(A) RMS | Dia.<br>(Inches) | Length<br>(Inches) |
| <b>150 WVdc (175 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 950                              | CGS951U150R3C          | 0.087                         | 3.4                         | 1.375            | 3.125              |
| 1,100                            | CGS112U150R2C          | 0.102                         | 3.2                         | 1.375            | 2.125              |
| 1,100                            | CGS112U150R4C          | 0.064                         | 4.4                         | 1.375            | 4.125              |
| 1,600                            | CGS162U150R2L          | 0.071                         | 3.8                         | 1.375            | 2.625              |
| 2,100                            | CGS212U150R3C          | 0.074                         | 4.3                         | 1.375            | 3.125              |
| 2,400                            | CGS242U150V3C          | 0.117                         | 3.7                         | 2.000            | 3.125              |
| 3,100                            | CGS312U150R4C          | 0.038                         | 5.8                         | 1.375            | 4.125              |
| 3,300                            | CGS332U150V5C          | 0.032                         | 8.4                         | 2.000            | 5.125              |
| 3,500                            | CGS352U150V5L          | 0.031                         | 11.4                        | 2.000            | 5.625              |
| 4,400                            | CGS442U150V3C          | 0.032                         | 7.0                         | 2.000            | 3.125              |
| 4,700                            | CGS472U150R5L          | 0.026                         | 7.9                         | 1.375            | 5.625              |
| 4,800                            | CGS482U150W4L          | 0.030                         | 9.5                         | 2.500            | 4.625              |
| 5,300                            | CGS532U150U4C          | 0.023                         | 8.3                         | 1.750            | 4.125              |
| 5,700                            | CGS572U150X4C          | 0.037                         | 9.3                         | 3.000            | 4.125              |
| 6,200                            | CGS622U150W5L          | 0.025                         | 11.4                        | 2.500            | 5.625              |
| 6,700                            | CGS672U150U4C          | 0.022                         | 9.4                         | 2.000            | 4.125              |
| 7,700                            | CGS772U150X5C          | 0.029                         | 11.3                        | 3.000            | 5.125              |
| 8,700                            | CGS872U150X5R          | 0.027                         | 12.5                        | 3.000            | 5.875              |
| 10,000                           | CGS103U150V5L          | 0.015                         | 12.7                        | 2.000            | 5.625              |
| 10,000                           | CGS103U150X5C          | 0.034                         | 10.4                        | 3.000            | 5.125              |
| 11,000                           | CGS113U150W4C          | 0.017                         | 12.1                        | 2.500            | 4.125              |
| 12,000                           | CGS123U150V5L          | 0.014                         | 16.5                        | 2.000            | 5.625              |
| 12,000                           | CGS123U150X5L          | 0.013                         | 17.8                        | 3.000            | 5.625              |
| 17,000                           | CGS173U150W5L          | 0.020                         | 12.7                        | 2.500            | 5.625              |
| 22,000                           | CGS223U150X5C          | 0.015                         | 15.6                        | 3.000            | 5.125              |
| 25,000                           | CGS253U150X5L          | 0.012                         | 18.4                        | 3.000            | 5.625              |
| 26,000                           | CGS263U150X5R          | 0.011                         | 19.1                        | 3.000            | 5.875              |
| 43,000                           | CGS433U150X8L          | 0.014                         | 19.9                        | 3.000            | 8.625              |
| <b>200 WVdc (250 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 590                              | CGS591T200R3C          | 0.151                         | 2.6                         | 1.375            | 3.125              |
| 800                              | CGS801T200R2C          | 0.102                         | 2.7                         | 1.375            | 2.125              |
| 1,000                            | CGS102T200R4C          | 0.113                         | 3.2                         | 1.375            | 4.125              |
| 1,000                            | CGS102T200V2C          | 0.097                         | 3.6                         | 2.000            | 2.125              |
| 1,200                            | CGS122T200R2L          | 0.071                         | 3.5                         | 1.375            | 2.625              |
| 1,400                            | CGS142T200V3C          | 0.081                         | 4.4                         | 2.000            | 3.125              |
| 1,500                            | CGS152T200R3C          | 0.054                         | 4.3                         | 1.375            | 3.125              |
| 1,600                            | CGS162T200V3C          | 0.074                         | 4.6                         | 2.000            | 3.125              |
| 2,000                            | CGS202T200V4C          | 0.057                         | 5.8                         | 2.000            | 4.125              |
| 2,200                            | CGS222T200R4C          | 0.038                         | 5.8                         | 1.375            | 4.125              |
| 2,200                            | CGS222T200V4C          | 0.054                         | 6.0                         | 2.000            | 4.125              |
| 2,700                            | CGS272T200V4C          | 0.048                         | 6.4                         | 2.000            | 4.125              |
| 3,100                            | CGS312T200V3C          | 0.032                         | 7.0                         | 2.000            | 3.125              |
| 3,300                            | CGS332T200R5L          | 0.026                         | 7.9                         | 1.375            | 5.625              |
| 3,300                            | CGS332T200W4C          | 0.060                         | 6.5                         | 2.500            | 4.125              |
| 3,400                            | CGS342T200W4C          | 0.076                         | 5.8                         | 2.500            | 4.125              |
| 3,600                            | CGS362T200V4C          | 0.042                         | 6.7                         | 2.000            | 4.125              |
| 4,000                            | CGS402T200U4C          | 0.023                         | 8.3                         | 1.750            | 4.125              |
| 4,000                            | CGS402T200V3C          | 0.062                         | 5.0                         | 2.000            | 3.125              |
| 4,000                            | CGS402T200W4C          | 0.055                         | 6.8                         | 2.500            | 4.125              |
| 4,600                            | CGS462T200X4C          | 0.047                         | 8.2                         | 3.000            | 4.125              |
| 4,700                            | CGS472T200V4C          | 0.021                         | 9.4                         | 2.000            | 5.625              |
| 4,800                            | CGS482T200V4C          | 0.042                         | 6.8                         | 2.000            | 4.125              |
| 5,000                            | CGS502T200W5C          | 0.036                         | 9.2                         | 2.500            | 5.125              |
| 5,200                            | CGS522T200V5L          | 0.021                         | 11.0                        | 2.000            | 5.625              |
| 5,400                            | CGS542T200X4L          | 0.021                         | 12.6                        | 3.000            | 4.625              |
| 5,500                            | CGS552T200X4C          | 0.027                         | 10.9                        | 3.000            | 4.125              |
| 6,200                            | CGS622T200X4C          | 0.039                         | 9.0                         | 3.000            | 4.125              |
| 7,200                            | CGS722T200V5L          | 0.019                         | 11.5                        | 2.000            | 5.625              |
| 7,400                            | CGS742T200X5L          | 0.018                         | 15.0                        | 3.000            | 5.625              |
| 7,700                            | CGS772T200X5L          | 0.018                         | 15.0                        | 3.000            | 5.625              |
| 7,800                            | CGS782T200W4C          | 0.017                         | 12.1                        | 2.500            | 4.125              |
| 9,400                            | CGS942T200X4C          | 0.021                         | 12.1                        | 3.000            | 4.125              |
| 12,000                           | CGS123T200W5L          | 0.013                         | 16.0                        | 2.500            | 5.625              |

# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>(µF)                      | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|----------------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                                  |                        | ESR<br>120 Hz<br>(Ω) | +85 °C<br>120 Hz<br>(A) RMS |                  |                    |
| <b>200 WVdc (250 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 14,000                           | CGS143T200X5L          | 0.015                | 16.1                        | 3                | 5.625              |
| 16,000                           | CGS163T200X5C          | 0.015                | 15.6                        | 3                | 5.125              |
| 18,000                           | CGS183T200X5L          | 0.012                | 18.4                        | 3                | 5.625              |
| 18,000                           | CGS183T200X5L          | 0.016                | 15.9                        | 3                | 5.625              |
| 19,000                           | CGS193T200X5R          | 0.011                | 19.1                        | 3                | 5.875              |
| 25,000                           | CGS253T200X8L          | 0.015                | 19.9                        | 3                | 8.625              |
| 30,000                           | CGS303T200X8L          | 0.011                | 22.7                        | 3                | 8.625              |
| <b>250 WVdc (300 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 200                              | CGS201T250R2C          | 0.241                | 1.7                         | 1.375            | 2.125              |
| 250                              | CGS251T250R2C          | 0.278                | 1.6                         | 1.375            | 2.125              |
| 470                              | CGS471T250R3C          | 0.439                | 1.5                         | 1.375            | 3.125              |
| 550                              | CGS551T250R4C          | 0.098                | 3.6                         | 1.375            | 4.125              |
| 620                              | CGS621T250R2C          | 0.137                | 2.3                         | 1.375            | 2.125              |
| 720                              | CGS721T250R4C          | 0.110                | 3.4                         | 1.375            | 4.125              |
| 900                              | CGS901T250R2L          | 0.095                | 3.0                         | 1.375            | 2.625              |
| 1,000                            | CGS102T250R5L          | 0.078                | 4.6                         | 1.375            | 5.625              |
| 1,200                            | CGS122T250R3C          | 0.073                | 3.7                         | 1.375            | 3.125              |
| 1,200                            | CGS122T250V3C          | 0.080                | 4.4                         | 2.000            | 3.125              |
| 1,700                            | CGS172T250R4C          | 0.050                | 5.0                         | 1.375            | 4.125              |
| 1,700                            | CGS172T250V2L          | 0.070                | 4.4                         | 2.000            | 2.625              |
| 1,700                            | CGS172T250V4C          | 0.057                | 5.8                         | 2.000            | 4.125              |
| 1,900                            | CGS192T250V5L          | 0.105                | 4.9                         | 2.000            | 5.625              |
| 1,900                            | CGS192T250W4C          | 0.078                | 6.6                         | 2.500            | 4.125              |
| 2,500                            | CGS252T250V5L          | 0.041                | 7.8                         | 2.000            | 5.625              |
| 2,600                            | CGS262T250R5L          | 0.035                | 6.9                         | 1.375            | 5.625              |
| 2,800                            | CGS282T250V4C          | 0.046                | 6.5                         | 2.000            | 4.125              |
| 2,900                            | CGS292T250V3L          | 0.041                | 6.5                         | 2.000            | 3.625              |
| 2,900                            | CGS292T250W4L          | 0.043                | 8.0                         | 2.500            | 4.625              |
| 2,900                            | CGS292T250X4C          | 0.050                | 8.0                         | 3.000            | 4.125              |
| 3,100                            | CGS312T250U4C          | 0.030                | 7.3                         | 1.750            | 4.125              |
| 3,700                            | CGS372T250V4C          | 0.027                | 8.4                         | 2.000            | 4.125              |
| 4,100                            | CGS412T250V4L          | 0.029                | 8.5                         | 2.000            | 4.625              |
| 4,100                            | CGS412T250V5L          | 0.021                | 10.7                        | 2.000            | 5.625              |
| 4,200                            | CGS422T250W5L          | 0.023                | 11.9                        | 2.500            | 5.625              |
| 5,600                            | CGS562T250V5L          | 0.019                | 11.3                        | 2.000            | 5.625              |
| 6,000                            | CGS602T250V5L          | 0.022                | 10.1                        | 2.000            | 5.625              |
| 6,000                            | CGS602T250W4C          | 0.022                | 10.6                        | 2.500            | 4.125              |
| 6,000                            | CGS602T250X5L          | 0.047                | 9.2                         | 3.000            | 5.625              |
| 7,200                            | CGS722T250X4C          | 0.023                | 11.7                        | 3.000            | 4.125              |
| 7,400                            | CGS742T250X3L          | 0.026                | 10.5                        | 3.000            | 3.625              |
| 9,000                            | CGS902T250W5L          | 0.016                | 10.4                        | 2.500            | 5.625              |
| 9,200                            | CGS922T250W5L          | 0.015                | 14.6                        | 2.500            | 5.625              |
| 10,000                           | CGS103T250X4L          | 0.020                | 13.0                        | 3.000            | 4.625              |
| 10,000                           | CGS103T250X5L          | 0.016                | 15.6                        | 3.000            | 5.625              |
| 12,000                           | CGS123T250X5C          | 0.017                | 14.6                        | 3.000            | 5.125              |
| 13,000                           | CGS133T250X5L          | 0.017                | 14.0                        | 3.000            | 5.625              |
| 14,000                           | CGS143T250X5L          | 0.013                | 17.3                        | 3.000            | 5.625              |
| 15,000                           | CGS153T250X5R          | 0.013                | 17.9                        | 3.000            | 5.875              |
| 19,000                           | CGS193T250X8L          | 0.016                | 18.8                        | 3.000            | 8.625              |
| 22,000                           | CGS223T250X8L          | 0.010                | 23.8                        | 3.000            | 8.625              |
| <b>300 WVdc (350 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 430                              | CGS431T300R2C          | 0.228                | 1.8                         | 1.375            | 2.125              |
| 620                              | CGS621T300R2L          | 0.158                | 2.3                         | 1.375            | 2.625              |
| 810                              | CGS811T300R3C          | 0.122                | 2.9                         | 1.375            | 3.125              |
| 1,200                            | CGS122T300R4C          | 0.083                | 3.9                         | 1.375            | 4.125              |
| 1,500                            | CGS152T300W4C          | 0.107                | 4.9                         | 2.500            | 4.125              |
| 1,600                            | CGS162T300V3C          | 0.067                | 4.8                         | 2.000            | 3.125              |
| 1,800                            | CGS182T300R5L          | 0.057                | 5.4                         | 1.375            | 5.625              |
| 2,000                            | CGS202T300U4C          | 0.053                | 5.5                         | 1.750            | 4.125              |
| 2,500                            | CGS252T300V4C          | 0.044                | 6.6                         | 2.000            | 4.125              |
| 3,500                            | CGS352T300X5L          | 0.066                | 7.8                         | 3.000            | 5.625              |

| Cap<br>(µF)                       | Catalog<br>Part Number | Typical Max Ripple   |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|-----------------------------------|------------------------|----------------------|-----------------------------|------------------|--------------------|
|                                   |                        | ESR<br>120 Hz<br>(Ω) | +85 °C<br>120 Hz<br>(A) RMS |                  |                    |
| <b>300 WVdc ( 350 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 3,800                             | CGS382T300V5L          | 0.030                | 9.0                         | 2.000            | 5.625              |
| 4,000                             | CGS402T300X5L          | 0.058                | 8.3                         | 3.000            | 5.625              |
| 4,100                             | CGS412T300W4C          | 0.027                | 9.6                         | 2.500            | 4.125              |
| 6,000                             | CGS602T300X8L          | 0.022                | 15.9                        | 3.000            | 8.625              |
| 6,200                             | CGS622T300W5L          | 0.029                | 10.6                        | 3.000            | 4.125              |
| 6,300                             | CGS632T300W5L          | 0.018                | 13.3                        | 2.500            | 5.625              |
| 8,300                             | CGS832T300X5C          | 0.022                | 13.1                        | 3.000            | 5.125              |
| 9,400                             | CGS942T300X5L          | 0.019                | 14.4                        | 3.000            | 5.625              |
| 10,000                            | CGS103T300X5R          | 0.018                | 14.9                        | 3.000            | 5.875              |
| 15,000                            | CGS153T300X8L          | 0.015                | 19.8                        | 3.000            | 8.625              |
| <b>350 WVdc ( 400 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 130                               | CGS131T350R2C          | 0.683                | 1.0                         | 1.375            | 2.125              |
| 250                               | CGS251T350R3C          | 0.478                | 1.4                         | 1.375            | 3.125              |
| 330                               | CGS331T350R2C          | 0.297                | 1.6                         | 1.375            | 2.125              |
| 380                               | CGS381T350R4C          | 0.318                | 2.0                         | 1.375            | 4.125              |
| 480                               | CGS481T350R2L          | 0.206                | 2.0                         | 1.375            | 2.625              |
| 620                               | CGS621T350R3C          | 0.158                | 2.5                         | 1.375            | 3.125              |
| 650                               | CGS651T350V3C          | 0.212                | 2.7                         | 2.000            | 3.125              |
| 800                               | CGS801T350V4C          | 0.170                | 3.4                         | 2.000            | 4.125              |
| 920                               | CGS921T350R4C          | 0.108                | 3.4                         | 1.375            | 4.125              |
| 1,000                             | CGS102T350R4C          | 0.111                | 3.3                         | 1.375            | 4.125              |
| 1,000                             | CGS102T350V2L          | 0.145                | 3.0                         | 2.000            | 2.625              |
| 1,000                             | CGS102T350V4C          | 0.140                | 3.7                         | 2.000            | 4.125              |
| 1,300                             | CGS132T350V3C          | 0.085                | 4.3                         | 2.000            | 3.125              |
| 1,300                             | CGS132T350V5L          | 0.108                | 4.8                         | 2.000            | 5.625              |
| 1,400                             | CGS142T350R5L          | 0.074                | 4.7                         | 1.375            | 5.625              |
| 1,500                             | CGS152T350U4C          | 0.068                | 4.9                         | 1.750            | 4.125              |
| 1,500                             | CGS152T350W4C          | 0.123                | 4.5                         | 2.500            | 4.125              |
| 1,600                             | CGS162T350V4C          | 0.072                | 5.2                         | 2.000            | 4.125              |
| 1,900                             | CGS192T350V4C          | 0.056                | 5.9                         | 2.000            | 4.125              |
| 2,100                             | CGS212T350X4C          | 0.067                | 5.4                         | 3.000            | 4.125              |
| 2,200                             | CGS222T350W5L          | 0.063                | 7.2                         | 2.500            | 5.625              |
| 2,400                             | CGS242T350V4L          | 0.061                | 5.8                         | 2.000            | 4.625              |
| 2,400                             | CGS242T350V5L          | 0.040                | 7.9                         | 2.000            | 5.625              |
| 2,700                             | CGS272T350W3L          | 0.058                | 6.3                         | 2.000            | 3.625              |
| 2,900                             | CGS292T350V5L          | 0.037                | 8.0                         | 2.000            | 5.625              |
| 3,000                             | CGS302T350X5R          | 0.048                | 9.3                         | 3.000            | 5.875              |
| 3,200                             | CGS322T350W4C          | 0.039                | 8.0                         | 2.500            | 4.125              |
| 3,300                             | CGS332T350V5L          | 0.038                | 8.1                         | 2.000            | 5.625              |
| 3,300                             | CGS332T350X5L          | 0.044                | 9.5                         | 3.000            | 5.625              |
| 3,400                             | CGS342T350X5L          | 0.043                | 9.6                         | 3.000            | 5.625              |
| 3,800                             | CGS382T350W4L          | 0.042                | 8.1                         | 2.500            | 4.625              |
| 4,000                             | CGS402T350X3L          | 0.045                | 8.0                         | 3.000            | 3.625              |
| 4,200                             | CGS422T350X4C          | 0.035                | 9.4                         | 3.000            | 4.125              |
| 4,800                             | CGS482T350W5L          | 0.026                | 11.1                        | 2.500            | 5.625              |
| 6,300                             | CGS632T350X5L          | 0.025                | 12.7                        | 3.000            | 5.625              |
| 6,400                             | CGS642T350X5C          | 0.025                | 12.2                        | 3.000            | 5.125              |
| 7,200                             | CGS722T350X5L          | 0.022                | 13.3                        | 3.000            | 5.625              |
| 7,300                             | CGS732T350X5L          | 0.022                | 11.7                        | 3.000            | 5.625              |
| 7,900                             | CGS792T350X5R          | 0.020                | 13.9                        | 3.000            | 5.875              |
| 10,000                            | CGS103T350X8L          | 0.021                | 16.6                        | 3.000            | 8.625              |
| 12,000                            | CGS123T350X8L          | 0.017                | 18.4                        | 3.000            | 8.625              |
| <b>400 WVdc ( 450 Vdc Surge )</b> |                        |                      |                             |                  |                    |
| 290                               | CGS291T400R2C          | 0.320                | 1.5                         | 1.375            | 2.125              |
| 420                               | CGS421T400R2L          | 0.222                | 2.0                         | 1.375            | 2.625              |
| 550                               | CGS551T400R3C          | 0.170                | 2.4                         | 1.375            | 3.125              |
| 780                               | CGS781T400V4C          | 0.114                | 4.1                         | 2.000            | 4.125              |
| 810                               | CGS811T400R4C          | 0.116                | 3.3                         | 1.375            | 4.125              |
| 1,100                             | CGS112T400V3C          | 0.091                | 4.1                         | 2.000            | 3.125              |
| 1,200                             | CGS122T400R5L          | 0.079                | 4.6                         | 1.375            | 5.625              |
| 1,300                             | CGS132T400U4C          | 0.073                | 4.7                         | 1.750            | 4.125              |



# Type CGS High-Cap Screw Terminal Aluminum Electrolytic Capacitor

| Cap<br>( $\mu$ F)                 | Catalog<br>Part Number | Typical Max Ripple            |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|-----------------------------------|------------------------|-------------------------------|-----------------------------|------------------|--------------------|
|                                   |                        | ESR<br>120 Hz<br>( $\Omega$ ) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| <b>400 WVdc ( 450 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 1,700                             | CGS172T400V4C          | 0.060                         | 5.7                         | 2.0              | 4.125              |
| 2,600                             | CGS262T400V5L          | 0.040                         | 7.8                         | 2.0              | 5.625              |
| 2,800                             | CGS282T400W4C          | 0.042                         | 7.8                         | 2.5              | 4.125              |
| 4,200                             | CGS422T400W5L          | 0.035                         | 9.6                         | 3.0              | 4.125              |
| 4,300                             | CGS432T400W5L          | 0.028                         | 10.8                        | 2.5              | 5.625              |
| 5,700                             | CGS572T400X5C          | 0.026                         | 11.9                        | 3.0              | 5.125              |
| 6,400                             | CGS642T400X5L          | 0.024                         | 13.0                        | 3.0              | 5.625              |
| 7,000                             | CGS702T400X5R          | 0.022                         | 13.5                        | 3.0              | 5.875              |
| 11,000                            | CGS113T400X8L          | 0.015                         | 19.8                        | 3.0              | 8.265              |
| <b>450 WVdc ( 525 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 75                                | CGS750T450R2C          | 0.835                         | 0.9                         | 1.375            | 2.125              |
| 100                               | CGS101T450R2C          | 0.737                         | 1.0                         | 1.375            | 2.125              |
| 140                               | CGS141T450R3C          | 0.496                         | 1.4                         | 1.375            | 3.125              |
| 170                               | CGS171T450R3C          | 0.456                         | 1.5                         | 1.375            | 3.125              |
| 210                               | CGS211T450R4C          | 0.332                         | 1.9                         | 1.375            | 4.125              |
| 240                               | CGS241T450R2C          | 0.416                         | 1.3                         | 1.375            | 2.125              |
| 250                               | CGS251T450R4C          | 0.308                         | 2.0                         | 1.375            | 4.125              |
| 320                               | CGS321T450V3C          | 0.253                         | 2.5                         | 2.000            | 3.125              |
| 350                               | CGS351T450R2L          | 0.288                         | 1.7                         | 1.375            | 2.625              |
| 350                               | CGS351T450R5C          | 0.226                         | 3.2                         | 1.375            | 5.125              |
| 400                               | CGS401T450R5L          | 0.198                         | 2.9                         | 1.375            | 5.625              |
| 450                               | CGS451T450V3C          | 0.188                         | 2.9                         | 2.000            | 3.125              |
| 460                               | CGS461T450R3C          | 0.221                         | 2.1                         | 1.375            | 3.125              |
| 480                               | CGS481T450V4C          | 0.171                         | 3.4                         | 2.000            | 4.125              |
| 620                               | CGS621T450V2L          | 0.201                         | 2.6                         | 2.000            | 2.625              |
| 650                               | CGS651T450V4C          | 0.154                         | 3.7                         | 2.000            | 4.125              |
| 680                               | CGS681T450R4C          | 0.151                         | 2.9                         | 1.375            | 4.125              |
| 800                               | CGS801T450V4L          | 0.108                         | 4.4                         | 2.000            | 4.625              |
| 930                               | CGS931T450V3C          | 0.116                         | 3.7                         | 2.000            | 3.125              |
| 970                               | CGS971T450V4C          | 0.096                         | 4.5                         | 2.000            | 4.125              |
| 1,000                             | CGS102T450R5L          | 0.103                         | 4.0                         | 1.375            | 5.625              |
| 1,000                             | CGS102T450V3L          | 0.100                         | 4.1                         | 2.000            | 3.625              |
| 1,000                             | CGS102T450W4C          | 0.082                         | 5.5                         | 2.500            | 4.125              |
| 1,100                             | CGS112T450U4C          | 0.094                         | 4.1                         | 1.750            | 4.125              |
| 1,100                             | CGS112T450X4C          | 0.076                         | 6.5                         | 3.000            | 4.125              |
| 1,400                             | CGS142T450V4C          | 0.076                         | 5.0                         | 2.000            | 4.125              |
| 1,400                             | CGS142T450V4L          | 0.069                         | 5.5                         | 2.000            | 4.625              |
| 1,400                             | CGS142T450V5L          | 0.059                         | 6.5                         | 2.000            | 5.625              |
| 1,400                             | CGS142T450W5C          | 0.060                         | 7.1                         | 2.500            | 5.125              |
| 1,500                             | CGS152T450X4C          | 0.059                         | 7.4                         | 3.000            | 4.125              |
| 1,500                             | CGS152T450X5C          | 0.057                         | 8.1                         | 3.000            | 5.125              |
| 1,700                             | CGS172T450W3L          | 0.063                         | 6.0                         | 2.500            | 3.625              |
| 1,800                             | CGS182T450V5L          | 0.054                         | 5.4                         | 2.000            | 5.625              |
| 1,800                             | CGS182T450X5R          | 0.048                         | 9.3                         | 3.000            | 5.875              |
| 1,900                             | CGS192T450X5L          | 0.052                         | 7.6                         | 3.000            | 5.625              |
| 2,000                             | CGS202T450X5C          | 0.045                         | 9.1                         | 3.000            | 5.125              |
| 2,200                             | CGS222T450V5L          | 0.051                         | 6.9                         | 2.000            | 5.625              |
| 2,200                             | CGS222T450X4C          | 0.045                         | 8.4                         | 3.000            | 4.125              |
| 2,300                             | CGS232T450W4C          | 0.052                         | 7.0                         | 2.500            | 4.125              |
| 2,400                             | CGS242T450W4C          | 0.048                         | 7.2                         | 2.500            | 4.125              |
| 2,400                             | CGS242T450W4L          | 0.055                         | 7.1                         | 2.500            | 4.625              |
| 2,400                             | CGS242T450X5L          | 0.038                         | 10.3                        | 3.000            | 5.625              |

| Cap<br>( $\mu$ F)                 | Catalog<br>Part Number | Typical Max Ripple            |                             | Dia.<br>(Inches) | Length<br>(Inches) |
|-----------------------------------|------------------------|-------------------------------|-----------------------------|------------------|--------------------|
|                                   |                        | ESR<br>120 Hz<br>( $\Omega$ ) | 120 Hz<br>+85 °C<br>(A) RMS |                  |                    |
| <b>450 WVdc ( 525 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 2,500                             | CGS252T450X3L          | 0.058                         | 7.0                         | 3.0              | 3.625              |
| 3,100                             | CGS312T450W5L          | 0.043                         | 7.2                         | 2.5              | 5.625              |
| 3,300                             | CGS332T450X5L          | 0.031                         | 11.4                        | 3.0              | 5.625              |
| 3,500                             | CGS352T450W5L          | 0.042                         | 8.8                         | 3.0              | 4.125              |
| 3,600                             | CGS362T450W5L          | 0.035                         | 9.7                         | 2.5              | 5.625              |
| 3,600                             | CGS362T450X4L          | 0.041                         | 9.2                         | 3.0              | 4.625              |
| 4,600                             | CGS462T450X5L          | 0.032                         | 9.6                         | 3.0              | 5.625              |
| 4,700                             | CGS472T450X5C          | 0.031                         | 10.9                        | 3.0              | 5.125              |
| 5,300                             | CGS532T450X5L          | 0.028                         | 12.0                        | 3.0              | 5.625              |
| 5,800                             | CGS582T450X5R          | 0.026                         | 12.4                        | 3.0              | 5.875              |
| 7,700                             | CGS772T450X8L          | 0.020                         | 16.7                        | 3.0              | 8.625              |
| 9,000                             | CGS902T450X8L          | 0.017                         | 18.2                        | 3.0              | 8.625              |
| <b>500 WVdc ( 550 Vdc Surge )</b> |                        |                               |                             |                  |                    |
| 160                               | CGS161T500R2C          | 0.610                         | 1.1                         | 1.375            | 2.125              |
| 240                               | CGS241T500R2L          | 0.422                         | 1.4                         | 1.375            | 2.625              |
| 240                               | CGS241T500U2C          | 0.416                         | 1.6                         | 1.750            | 2.125              |
| 310                               | CGS311T500R3C          | 0.323                         | 1.8                         | 1.375            | 3.125              |
| 310                               | CGS311T500V2C          | 0.322                         | 2.0                         | 2.000            | 2.125              |
| 361                               | CGS361T500U2L          | 0.282                         | 2.1                         | 1.750            | 2.625              |
| 380                               | CGS381T500R3L          | 0.262                         | 2.1                         | 1.375            | 3.625              |
| 450                               | CGS451T500R4C          | 0.220                         | 2.4                         | 1.375            | 4.125              |
| 460                               | CGS461T500V2L          | 0.225                         | 2.6                         | 2.000            | 2.625              |
| 530                               | CGS531T500R4L          | 0.190                         | 2.7                         | 1.375            | 4.625              |
| 600                               | CGS601T500R5C          | 0.167                         | 3.0                         | 1.375            | 5.125              |
| 620                               | CGS621T500U3L          | 0.164                         | 3.2                         | 1.750            | 3.625              |
| 620                               | CGS621T500V3C          | 0.165                         | 3.2                         | 2.000            | 3.125              |
| 670                               | CGS671T500R5L          | 0.150                         | 3.5                         | 1.375            | 5.625              |
| 750                               | CGS751T500U4C          | 0.136                         | 3.6                         | 1.750            | 4.125              |
| 790                               | CGS791T500V3L          | 0.131                         | 3.8                         | 2.000            | 3.625              |
| 880                               | CGS881T500U4L          | 0.116                         | 4.1                         | 1.750            | 4.625              |
| 950                               | CGS951T500V4C          | 0.108                         | 4.4                         | 2.000            | 4.125              |
| 1000                              | CGS102T500U5C          | 0.101                         | 4.6                         | 1.750            | 5.125              |
| 1000                              | CGS102T500W3C          | 0.101                         | 4.7                         | 2.500            | 3.125              |
| 1100                              | CGS112T500U5L          | 0.089                         | 5.1                         | 1.750            | 5.625              |
| 1100                              | CGS112T500V4L          | 0.092                         | 5.0                         | 2.000            | 4.625              |
| 1300                              | CGS132T500V5C          | 0.081                         | 5.6                         | 2.000            | 5.125              |
| 1300                              | CGS132T500W3L          | 0.080                         | 5.6                         | 2.500            | 3.625              |
| 1500                              | CGS152T500V5L          | 0.072                         | 6.1                         | 2.000            | 5.625              |
| 1600                              | CGS162T500W4C          | 0.066                         | 6.5                         | 2.500            | 4.125              |
| 1800                              | CGS182T500W4L          | 0.057                         | 7.3                         | 2.500            | 4.625              |
| 1900                              | CGS192T500X3L          | 0.057                         | 7.5                         | 3.000            | 3.625              |
| 2100                              | CGS212T500W5C          | 0.049                         | 8.2                         | 2.500            | 5.125              |
| 2300                              | CGS232T500X4C          | 0.047                         | 8.7                         | 3.000            | 4.125              |
| 2400                              | CGS242T500W5L          | 0.044                         | 9.0                         | 2.500            | 5.625              |
| 2700                              | CGS272T500Y3L          | 0.041                         | 9.8                         | 3.500            | 3.625              |
| 2800                              | CGS282T500X4L          | 0.040                         | 9.8                         | 3.000            | 4.625              |
| 3200                              | CGS322T500X5C          | 0.035                         | 20.3                        | 3.000            | 5.125              |
| 3300                              | CGS332T500Y4C          | 0.034                         | 11.2                        | 3.500            | 4.125              |
| 3500                              | CGS352T500X5L          | 0.030                         | 12.1                        | 3.000            | 5.625              |
| 4400                              | CGS442T500Y5C          | 0.025                         | 14.1                        | 3.500            | 5.125              |
| 4800                              | CGS482T500Y5L          | 0.023                         | 15.2                        | 3.500            | 5.625              |
| 6000                              | CGS602T500X8L          | 0.018                         | 18.7                        | 3.000            | 8.625              |
| 8300                              | CGS832T500Y8L          | 0.014                         | 23.1                        | 3.500            | 8.625              |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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