# Rubycon LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS USR

## USR SERIES

**85℃ Standard, Snap-in Terminal Type**




### ◆FEATURES

- Load Life : 85℃ 3000 hours.
- Smaller size with higher ripple current endurance than USP series.

### ◆SPECIFICATIONS

| Items | Characteristics | |
|---|---|---|
| Category Temperature Range | −40～+85℃ | −25～+85℃ |
| Rated Voltage Range | 10～250V.DC | 315～450V.DC |
| Capacitance Tolerance | ±20%（20℃，120Hz） | |
| Leakage Current(MAX) | $I=3\sqrt{CV}$ (After 5 minutes application of rated voltage)<br>I=Leakage Current(μA)　V=Rated Voltage(V)　C=Rated Capacitance(μF) | |
| Dissipation Factor(MAX) | （20℃，120Hz） | |
| Impedance Ratio(MAX) | （120Hz） | |
| Endurance | After applying rated voltage with rated ripple current for 3000hrs at 85℃, the capacitors shall meet the following requirements. | |

Dissipation Factor(MAX)

| Rated Voltage(V) | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160～400 | 420～450 |
|---|---|---|---|---|---|---|---|---|---|---|
| tan δ | 0.55 | 0.50 | 0.45 | 0.40 | 0.35 | 0.30 | 0.25 | 0.20 | 0.15 | 0.25 |

Impedance Ratio(MAX)

| Rated Voltage(V) | 10～250 | 315～400 | 420～450 |
|---|---|---|---|
| Z(−25℃)/Z(20℃) | 3 | 4 | 12 |
| Z(−40℃)/Z(20℃) | 12 | | |

Endurance

| | |
|---|---|
| Capacitance Change | Within ±20% of the initial value. |
| Dissipation Factor | Not more than 200% of the specified value. |
| Leakage Current | Not more than the specified value. |

### ◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

| Frequency (Hz) | | 60(50) | 120 | 500 | 1k | 10k≦ |
|---|---|---|---|---|---|---|
| Coefficient | 10～100WV | 0.90 | 1.00 | 1.05 | 1.10 | 1.15 |
| | 160～250WV | 0.80 | 1.00 | 1.20 | 1.30 | 1.50 |
| | 315～450WV | 0.80 | 1.00 | 1.05 | 1.10 | 1.15 |

### ◆PART NUMBER

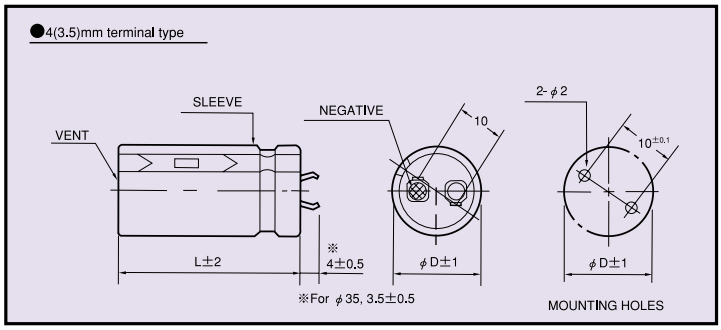
| □□□ | USR | □□□□□ | □ | OOE | □□ | D×L |
|---|---|---|---|---|---|---|
| Rated Voltage | Series | Rated Capacitance | Capacitance Tolerance | Option | Terminal Code | Case Size |

### ◆Option

| | Code |
|---|---|
| without plate | OOE |
| with plate | Blank |

# Rubycon LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS USR

## ◆DIMENSIONS (mm)




## ◆STANDARD SIZE, RATED RIPPLE CURRENT

| WV / Cap (μF) / φD | 10 | | | | | | | | | | 16 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 6800 | | | | | | | | | | | 20×25 | 2.33 | | | | | | | | |
| 8200 | | | | | | | | | | | 20×30 | 2.56 | 22×25 | 2.56 | | | | | | |
| 10000 | 20×25 | 2.22 | | | | | | | | | 20×35 | 2.85 | 22×30 | 2.81 | | | | | | |
| 12000 | 20×30 | 2.44 | 22×25 | 2.41 | | | | | | | 20×40 | 3.20 | 22×30 | 3.13 | 25×25 | 2.96 | | | | |
| 15000 | 20×35 | 2.90 | 22×30 | 2.88 | 25×25 | 2.88 | | | | | | | 22×35 | 3.69 | 25×30 | 3.64 | 30×25 | 3.73 | | |
| 18000 | 20×40 | 3.31 | 22×35 | 3.22 | 25×30 | 3.08 | | | | | | | 22×40 | 3.98 | 25×35 | 3.98 | 30×30 | 3.88 | | |
| 22000 | | | 22×40 | 3.79 | 25×30 | 3.66 | 30×25 | 3.53 | | | | | 22×50 | 4.52 | 25×40 | 4.44 | 30×30 | 4.38 | | |
| 27000 | | | 22×45 | 4.04 | 25×35 | 4.04 | 30×30 | 3.99 | | | | | | | 25×45 | 4.98 | 30×35 | 4.82 | 35×30 | 4.82 |
| 33000 | | | 22×50 | 4.58 | 25×40 | 4.56 | 30×30 | 4.58 | | | | | | | 25×50 | 5.49 | 30×40 | 5.38 | 35×35 | 5.33 |
| 39000 | | | | | 25×45 | 5.29 | 30×35 | 5.21 | 35×30 | 5.05 | | | | | | | 30×45 | 6.11 | 35×35 | 6.01 |
| 47000 | | | | | 25×50 | 5.78 | 30×40 | 5.78 | 35×35 | 5.55 | | | | | | | 30×50 | 6.80 | 35×40 | 6.80 |
| 56000 | | | | | | | 30×45 | 6.59 | 35×35 | 6.40 | | | | | | | | | 35×45 | 7.62 |
| 68000 | | | | | | | 30×50 | 7.50 | 35×40 | 7.48 | | | | | | | | | | |
| 82000 | | | | | | | | | 35×50 | 8.50 | | | | | | | | | | |

| WV / Cap (μF) / φD | 25 | | | | | | | | | | 35 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 2700 | | | | | | | | | | | 20×25 | 1.76 | | | | | | | | |
| 3300 | | | | | | | | | | | 20×30 | 2.14 | | | | | | | | |
| 3900 | | | | | | | | | | | 20×30 | 2.28 | 22×25 | 2.22 | | | | | | |
| 4700 | 20×25 | 2.18 | | | | | | | | | 20×35 | 2.46 | 22×30 | 2.46 | 25×25 | 2.43 | | | | |
| 5600 | 20×30 | 2.33 | 22×25 | 2.31 | | | | | | | | | 22×35 | 2.79 | 25×30 | 2.75 | | | | |
| 6800 | 20×35 | 2.56 | 22×30 | 2.56 | | | | | | | | | 22×40 | 2.89 | 25×30 | 2.89 | 30×25 | 3.09 | | |
| 8200 | 20×40 | 2.91 | 22×35 | 2.81 | 25×25 | 2.78 | | | | | | | 22×45 | 3.47 | 25×35 | 3.33 | 30×30 | 3.29 | | |
| 10000 | | | 22×35 | 3.18 | 25×30 | 3.16 | | | | | | | 22×50 | 3.59 | 25×40 | 3.59 | 30×30 | 3.61 | | |
| 12000 | | | 22×40 | 3.53 | 25×35 | 3.48 | 30×25 | 3.53 | | | | | | | 25×45 | 4.01 | 30×35 | 4.01 | 35×30 | 4.02 |
| 15000 | | | 22×50 | 4.08 | 25×40 | 4.00 | 30×30 | 4.00 | | | | | | | | | 30×40 | 4.80 | 35×35 | 4.80 |
| 18000 | | | | | 25×45 | 4.68 | 30×35 | 4.66 | 35×30 | 4.68 | | | | | | | 30×45 | 5.18 | 35×40 | 5.71 |
| 22000 | | | | | | | 30×40 | 5.19 | 35×35 | 5.20 | | | | | | | | | 35×45 | 6.38 |
| 27000 | | | | | | | 30×45 | 6.02 | 35×40 | 6.02 | | | | | | | | | 35×50 | 6.90 |
| 33000 | | | | | | | | | 35×45 | 6.75 | | | | | | | | | | |
| 39000 | | | | | | | | | 35×50 | 7.56 | | | | | | | | | | |

| WV / Cap (μF) / φD | 50 | | | | | | | | | | 63 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 1500 | | | | | | | | | | | 20×25 | 1.69 | | | | | | | | |
| 1800 | 20×25 | 1.70 | | | | | | | | | 20×30 | 2.04 | 22×25 | 1.90 | | | | | | |
| 2200 | 20×30 | 2.07 | 22×25 | 1.93 | | | | | | | 20×35 | 2.40 | 22×30 | 2.35 | 25×25 | 2.30 | | | | |
| 2700 | 20×35 | 2.21 | 22×30 | 2.21 | | | | | | | 20×40 | 2.52 | 22×35 | 2.50 | 25×30 | 2.49 | | | | |
| 3300 | 20×40 | 2.41 | 22×30 | 2.41 | 25×25 | 2.38 | | | | | | | 22×40 | 2.69 | 25×30 | 2.69 | 30×25 | 2.78 | | |
| 3900 | | | 22×35 | 2.72 | 25×30 | 2.68 | | | | | | | 22×45 | 3.10 | 25×35 | 3.09 | 30×30 | 3.09 | | |
| 4700 | | | 22×40 | 3.01 | 25×30 | 3.03 | 30×25 | 3.01 | | | | | 22×50 | 3.49 | 25×40 | 3.37 | 30×30 | 3.37 | | |
| 5600 | | | 22×45 | 3.43 | 25×35 | 3.37 | 30×30 | 3.43 | | | | | | | 25×45 | 3.80 | 30×35 | 3.81 | 35×30 | 3.75 |
| 6800 | | | 22×50 | 3.94 | 25×40 | 3.87 | 30×35 | 3.87 | | | | | | | 25×50 | 4.41 | 30×40 | 4.41 | 35×35 | 4.33 |
| 8200 | | | | | 25×45 | 4.37 | 30×35 | 4.42 | 35×30 | 4.41 | | | | | | | 30×45 | 4.90 | 35×35 | 4.80 |
| 10000 | | | | | | | 30×40 | 5.02 | 35×35 | 4.92 | | | | | | | 30×50 | 5.49 | 35×40 | 5.47 |
| 12000 | | | | | | | 30×50 | 5.60 | 35×40 | 5.60 | | | | | | | | | 35×50 | 6.30 |
| 15000 | | | | | | | | | 35×45 | 6.44 | | | | | | | | | | |
| 18000 | | | | | | | | | 35×50 | 6.71 | | | | | | | | | | |

Ripple Current A r.m.s./120Hz·85℃

Case Size φD±1×L±2(mm)

## ◆STANDARD SIZE, RATED RIPPLE CURRENT

| WV / Cap (μF) \ φD | 80 | | | | | | | | | | 100 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 680 | | | | | | | | | | | 20×25 | 1.66 | | | | | | | | |
| 820 | | | | | | | | | | | 20×30 | 1.85 | 22×25 | 1.86 | | | | | | |
| 1000 | 20×25 | 1.56 | | | | | | | | | 20×35 | 2.02 | 22×30 | 2.02 | | | | | | |
| 1200 | 20×30 | 1.80 | 22×25 | 1.77 | | | | | | | 20×40 | 2.12 | 22×30 | 2.12 | 25×25 | 2.10 | | | | |
| 1500 | 20×35 | 2.10 | 22×30 | 2.01 | | | | | | | | | 22×35 | 2.45 | 25×30 | 2.43 | | | | |
| 1800 | 20×40 | 2.30 | 22×35 | 2.25 | 25×25 | 2.26 | | | | | | | 22×40 | 2.77 | 25×35 | 2.77 | 30×25 | 2.65 | | |
| 2200 | | | 22×40 | 2.53 | 25×30 | 2.53 | 30×25 | 2.50 | | | | | 22×45 | 3.12 | 25×40 | 3.20 | 30×30 | 3.10 | | |
| 2700 | | | 22×45 | 2.93 | 25×35 | 2.93 | 30×30 | 2.91 | | | | | | | 25×45 | 3.61 | 30×35 | 3.60 | 35×30 | 3.71 |
| 3300 | | | 22×50 | 3.25 | 25×40 | 3.25 | 30×30 | 3.23 | | | | | | | 25×50 | 4.06 | 30×40 | 4.05 | 35×35 | 4.07 |
| 3900 | | | | | 25×45 | 3.62 | 30×35 | 3.62 | | | | | | | | | 30×45 | 4.60 | 35×35 | 4.50 |
| 4700 | | | | | 25×50 | 4.28 | 30×40 | 4.15 | 35×30 | 4.10 | | | | | | | 30×50 | 5.13 | 35×40 | 5.12 |
| 5600 | | | | | | | 30×45 | 4.55 | 35×35 | 4.51 | | | | | | | | | 35×45 | 5.75 |
| 6800 | | | | | | | 30×50 | 5.18 | 35×40 | 5.14 | | | | | | | | | 35×50 | 6.01 |
| 8200 | | | | | | | | | 35×45 | 5.83 | | | | | | | | | | |

| WV / Cap (μF) \ φD | 160 | | | | | | | | | | 180 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 270 | 20×25 | 1.22 | | | | | | | | | 20×25 | 1.23 | | | | | | | | |
| 330 | 20×30 | 1.48 | | | | | | | | | 20×30 | 1.48 | 22×25 | 1.42 | | | | | | |
| 390 | 20×30 | 1.55 | 22×25 | 1.55 | | | | | | | 20×30 | 1.58 | 22×30 | 1.61 | | | | | | |
| 470 | 20×35 | 1.81 | 22×30 | 1.77 | 25×25 | 1.77 | | | | | 20×35 | 1.82 | 22×30 | 1.80 | 25×25 | 1.80 | | | | |
| 560 | 20×40 | 2.04 | 22×35 | 2.05 | 25×30 | 2.05 | | | | | 20×40 | 2.04 | 22×35 | 2.09 | 25×30 | 2.05 | | | | |
| 680 | | | 22×40 | 2.24 | 25×30 | 2.22 | 30×25 | 2.22 | | | | | 22×40 | 2.36 | 25×35 | 2.34 | 30×25 | 2.27 | | |
| 820 | | | 22×45 | 2.55 | 25×35 | 2.52 | 30×30 | 2.51 | | | | | 22×45 | 2.72 | 25×35 | 2.58 | 30×30 | 2.56 | | |
| 1000 | | | 22×50 | 2.88 | 25×40 | 2.86 | 30×30 | 2.82 | | | | | | | 25×45 | 2.91 | 30×35 | 2.95 | | |
| 1200 | | | | | 25×45 | 3.27 | 30×35 | 3.25 | 35×30 | 3.24 | | | | | 25×50 | 3.46 | 30×40 | 3.38 | 35×30 | 3.32 |
| 1500 | | | | | | | 30×40 | 3.77 | 35×35 | 3.75 | | | | | | | 30×45 | 3.90 | 35×35 | 3.83 |
| 1800 | | | | | | | 30×45 | 4.10 | 35×35 | 4.08 | | | | | | | 30×50 | 4.33 | 35×40 | 4.32 |
| 2200 | | | | | | | | | 35×45 | 4.72 | | | | | | | | | 35×45 | 4.60 |
| 2700 | | | | | | | | | 35×50 | 5.30 | | | | | | | | | 35×50 | 5.05 |

| WV / Cap (μF) \ φD | 200 | | | | | | | | | | 220 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 180 | | | | | | | | | | | 20×25 | 1.09 | | | | | | | | |
| 220 | 20×25 | 1.13 | | | | | | | | | 20×30 | 1.15 | 22×25 | 1.09 | | | | | | |
| 270 | 20×30 | 1.32 | 22×25 | 1.30 | | | | | | | 20×30 | 1.38 | 22×25 | 1.31 | | | | | | |
| 330 | 20×30 | 1.49 | 22×25 | 1.44 | | | | | | | 20×35 | 1.51 | 22×30 | 1.58 | 25×25 | 1.49 | | | | |
| 390 | 20×35 | 1.66 | 22×30 | 1.65 | 25×25 | 1.63 | | | | | 20×40 | 1.73 | 22×35 | 1.69 | 25×30 | 1.71 | | | | |
| 470 | 20×40 | 1.93 | 22×35 | 1.88 | 25×30 | 1.86 | | | | | | | 22×40 | 1.99 | 25×30 | 1.95 | 30×25 | 1.89 | | |
| 560 | | | 22×40 | 2.08 | 25×30 | 2.05 | 30×25 | 2.05 | | | | | 22×45 | 2.28 | 25×35 | 2.22 | 30×30 | 2.19 | | |
| 680 | | | 22×45 | 2.36 | 25×35 | 2.36 | 30×30 | 2.36 | | | | | 22×50 | 2.46 | 25×40 | 2.40 | 30×30 | 2.39 | | |
| 820 | | | 22×50 | 2.68 | 25×40 | 2.66 | 30×30 | 2.62 | | | | | | | 25×45 | 2.81 | 30×35 | 2.70 | 35×30 | 2.62 |
| 1000 | | | | | 25×45 | 3.12 | 30×35 | 3.00 | 35×30 | 2.96 | | | | | 25×50 | 3.13 | 30×40 | 3.08 | 35×35 | 3.05 |
| 1200 | | | | | 25×50 | 3.44 | 30×40 | 3.44 | 35×35 | 3.40 | | | | | | | 30×45 | 3.60 | 35×40 | 3.51 |
| 1500 | | | | | | | 30×50 | 3.93 | 35×40 | 3.87 | | | | | | | | | 35×45 | 3.92 |
| 1800 | | | | | | | | | 35×45 | 4.37 | | | | | | | | | | |
| 2200 | | | | | | | | | 35×50 | 5.00 | | | | | | | | | | |

| WV / Cap (μF) \ φD | 250 | | | | | | | | | | 315 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 120 | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | 20×30 | 0.95 | | | | | | | | |
| 180 | 20×25 | 1.14 | | | | | | | | | 20×35 | 1.08 | 22×30 | 1.23 | 25×25 | 1.31 | | | | |
| 220 | 20×30 | 1.20 | 22×25 | 1.18 | | | | | | | 20×40 | 1.23 | 22×35 | 1.34 | 25×30 | 1.40 | | | | |
| 270 | 20×30 | 1.35 | 22×30 | 1.43 | | | | | | | | | 22×40 | 1.60 | 25×30 | 1.62 | | | | |
| 330 | 20×35 | 1.60 | 22×30 | 1.58 | 25×25 | 1.53 | | | | | | | 22×45 | 1.82 | 25×35 | 1.85 | 30×30 | 1.89 | | |
| 390 | 20×40 | 1.83 | 22×35 | 1.79 | 25×30 | 1.79 | | | | | | | 22×50 | 1.97 | 25×40 | 2.01 | 30×30 | 2.05 | | |
| 470 | | | 22×40 | 2.05 | 25×35 | 2.05 | 30×25 | 1.94 | | | | | | | 25×45 | 2.20 | 30×35 | 2.27 | 35×30 | 2.25 |
| 560 | | | 22×45 | 2.36 | 25×35 | 2.24 | 30×30 | 2.24 | | | | | | | | | 30×40 | 2.50 | 35×35 | 2.56 |
| 680 | | | | | 25×40 | 2.54 | 30×35 | 2.58 | | | | | | | | | 30×45 | 2.67 | 35×40 | 2.90 |
| 820 | | | | | 25×50 | 2.87 | 30×35 | 2.84 | 35×30 | 2.82 | | | | | | | 30×50 | 3.12 | 35×45 | 3.29 |
| 1000 | | | | | | | 30×45 | 3.39 | 35×35 | 3.31 | | | | | | | | | 35×50 | 3.40 |
| 1200 | | | | | | | 30×50 | 3.80 | 35×40 | 3.66 | | | | | | | | | | |
| 1500 | | | | | | | | | 35×45 | 4.12 | | | | | | | | | | |
| 1800 | | | | | | | | | 35×50 | 4.31 | | | | | | | | | | |

Ripple Current A r.m.s./120Hz·85℃

Case Size φD±1×L±2(mm)

## ◆STANDARD SIZE, RATED RIPPLE CURRENT

| Cap (μF) \ WV / φD | 350 | | | | | | | | | | 385 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 68 | | | | | | | | | | | 20×25 | 0.60 | | | | | | | | |
| 82 | | | | | | | | | | | 20×30 | 0.67 | 22×25 | 0.70 | | | | | | |
| 100 | | | | | | | | | | | 20×30 | 0.80 | 22×30 | 0.82 | | | | | | |
| 120 | 20×30 | 0.91 | 22×25 | 0.99 | | | | | | | 20×35 | 0.89 | 22×30 | 0.91 | 25×25 | 0.95 | | | | |
| 150 | 20×35 | 1.05 | 22×30 | 1.14 | 25×25 | 1.16 | | | | | 20×40 | 1.05 | 22×35 | 1.04 | 25×30 | 1.08 | | | | |
| 180 | 20×40 | 1.18 | 22×35 | 1.28 | 25×30 | 1.30 | | | | | | | 22×40 | 1.18 | 25×35 | 1.20 | 30×25 | 1.28 | | |
| 220 | | | 22×40 | 1.40 | 25×35 | 1.46 | 30×25 | 1.47 | | | | | 22×45 | 1.33 | 25×35 | 1.44 | 30×30 | 1.40 | | |
| 270 | | | 22×45 | 1.62 | 25×35 | 1.65 | 30×30 | 1.71 | | | | | | | 25×40 | 1.56 | 30×35 | 1.62 | | |
| 330 | | | 22×50 | 1.78 | 25×40 | 1.88 | 30×35 | 1.93 | | | | | | | 25×50 | 1.80 | 30×40 | 1.85 | 35×30 | 1.85 |
| 390 | | | | | 25×45 | 2.04 | 30×35 | 2.12 | 35×30 | 2.19 | | | | | | | 30×40 | 2.04 | 35×35 | 2.06 |
| 470 | | | | | | | 30×40 | 2.41 | 35×35 | 2.43 | | | | | | | 30×50 | 2.27 | 35×40 | 2.30 |
| 560 | | | | | | | 30×45 | 2.60 | 35×35 | 2.62 | | | | | | | | | 35×45 | 2.57 |
| 680 | | | | | | | | | 35×40 | 3.00 | | | | | | | | | 35×50 | 2.80 |
| 820 | | | | | | | | | 35×50 | 3.30 | | | | | | | | | | |

| Cap (μF) \ WV / φD | 400 | | | | | | | | | | 420 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 68 | 20×25 | 0.71 | | | | | | | | | 20×25 | 0.65 | | | | | | | | |
| 82 | 20×30 | 0.78 | 22×25 | 0.80 | | | | | | | 20×30 | 0.73 | 22×25 | 0.75 | | | | | | |
| 100 | 20×30 | 0.90 | 22×30 | 0.94 | | | | | | | 20×35 | 0.85 | 22×30 | 0.87 | 25×25 | 0.92 | | | | |
| 120 | 20×35 | 1.02 | 22×30 | 1.04 | 25×25 | 1.08 | | | | | 20×35 | 0.99 | 22×30 | 1.01 | 25×25 | 1.03 | | | | |
| 150 | 20×40 | 1.16 | 22×35 | 1.18 | 25×30 | 1.21 | | | | | 20×45 | 1.15 | 22×35 | 1.19 | 25×30 | 1.19 | 30×25 | 1.14 | | |
| 180 | | | 22×40 | 1.34 | 25×35 | 1.37 | 30×25 | 1.45 | | | | | 22×45 | 1.36 | 25×35 | 1.37 | 30×25 | 1.35 | | |
| 220 | | | 22×45 | 1.50 | 25×35 | 1.56 | 30×30 | 1.58 | | | | | 22×50 | 1.69 | 25×40 | 1.58 | 30×30 | 1.56 | | |
| 270 | | | | | 25×40 | 1.70 | 30×35 | 1.73 | | | | | | | 25×45 | 1.83 | 30×35 | 1.72 | 35×30 | 1.76 |
| 330 | | | | | 25×50 | 1.90 | 30×40 | 1.95 | 35×30 | 1.95 | | | | | 25×50 | 2.18 | 30×40 | 1.98 | 35×35 | 2.04 |
| 390 | | | | | | | 30×40 | 2.15 | 35×35 | 2.17 | | | | | | | 30×45 | 2.34 | 35×35 | 2.26 |
| 470 | | | | | | | 30×50 | 2.39 | 35×40 | 2.42 | | | | | | | 30×50 | 2.67 | 35×40 | 2.60 |
| 560 | | | | | | | | | 35×45 | 2.71 | | | | | | | | | 35×45 | 2.93 |
| 680 | | | | | | | | | 35×50 | 2.95 | | | | | | | | | | |

| Cap (μF) \ WV / φD | 450 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 56 | 20×25 | 0.58 | | | | | | | | |
| 68 | 20×30 | 0.67 | 22×25 | 0.68 | | | | | | |
| 82 | 20×35 | 0.76 | 22×30 | 0.82 | | | | | | |
| 100 | 20×35 | 0.84 | 22×35 | 0.90 | 25×25 | 0.92 | | | | |
| 120 | 20×40 | 0.94 | 22×35 | 1.02 | 25×30 | 1.04 | 30×25 | 1.07 | | |
| 150 | | | 22×40 | 1.12 | 25×35 | 1.19 | 30×30 | 1.23 | | |
| 180 | | | 22×50 | 1.26 | 25×40 | 1.33 | 30×30 | 1.38 | | |
| 220 | | | | | 25×45 | 1.51 | 30×35 | 1.56 | 35×30 | 1.58 |
| 270 | | | | | 25×50 | 1.65 | 30×40 | 1.80 | 35×35 | 1.81 |
| 330 | | | | | | | 30×45 | 2.02 | 35×35 | 2.05 |
| 390 | | | | | | | 30×50 | 2.24 | 35×40 | 2.27 |
| 470 | | | | | | | | | 35×45 | 2.55 |

Ripple Current A r.m.s./120Hz·85℃

Case Size φ D$^{\pm 1}$×L$^{\pm 2}$(mm)

# OCEAN CHIPS
## Океан Электроники
## Поставка электронных компонентов

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.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

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Разъемы специального, военного и аэрокосмического назначения:

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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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