

OxiCap® NOJ Series



Niobium Oxide Capacitor



- Non-burn safe technology
- Reliability level: 0.5%/1000 hrs.
- 6 case sizes available
- Environmentally friendly
- IBM global approval received in 2004
- Electra Award received in 2005
- CV range: 4.7-1000 μ F / 1.8-10V



Electra Award
2005



For part marking see page 130

CASE DIMENSIONS: millimeters (inches)

| Code | EIA Code | EIA Metric | L \pm 0.20 (0.008) | W+0.20 (0.008) -0.10 (0.004) | H+0.20 (0.008) -0.10 (0.004) | W \pm 0.20 (0.008) | A+0.30 (0.012) -0.20 (0.008) | S Min. |
|------|----------|------------|----------------------|------------------------------|------------------------------|----------------------|------------------------------|--------------|
| A | 1206 | 3216-18 | 3.20 (0.126) | 1.60 (0.063) | 1.60 (0.063) | 1.20 (0.047) | 0.80 (0.031) | 1.10 (0.043) |
| B | 1210 | 3528-21 | 3.50 (0.138) | 2.80 (0.110) | 1.90 (0.075) | 2.20 (0.087) | 0.80 (0.031) | 1.40 (0.055) |
| C | 2312 | 6032-28 | 6.00 (0.236) | 3.20 (0.126) | 2.60 (0.102) | 2.20 (0.087) | 1.30 (0.051) | 2.90 (0.114) |
| D | 2917 | 7343-31 | 7.30 (0.287) | 4.30 (0.169) | 2.90 (0.114) | 2.40 (0.094) | 1.30 (0.051) | 4.40 (0.173) |
| E | 2917 | 7343-43 | 7.30 (0.287) | 4.30 (0.169) | 4.10 (0.162) | 2.40 (0.094) | 1.30 (0.051) | 4.40 (0.173) |
| V | 2924 | 7361-38 | 7.30 (0.287) | 6.10 (0.240) | 3.55 (0.140) | 3.10 (0.120) | 1.30 (0.051) | 4.40 (0.173) |

W₁ dimension applies to the termination width for A dimensional area only.

HOW TO ORDER

| | | | | | | | |
|-------------|-------------------------------------|--|----------------------------|--|---|---|---|
| NOJ | D | 107 | M | 006 | R | WJ | - |
| Type | Case Size See table above | Capacitance Code 1st two digits represent significant figures, 3rd digit represents multiplier in pF | Tolerance M=±20% | Rated DC Voltage 001 = 1.8Vdc 002 = 2.5Vdc 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc | Packaging R = Pure Tin 7" Reel S = Pure Tin 13" Reel | Specification Suffix WJ = Standard Suffix | Additional characters may be added for special requirements V = Dry pack Option (selected codes only) with exception of D, E, V cases |

TECHNICAL SPECIFICATIONS

| | | | | | | | |
|------------------------------------|--|-----|-----|-----|-----|----|--|
| Technical Data: | All technical data relate to an ambient temperature of +25°C is not stated | | | | | | |
| Capacitance Range: | 4.7 μ F to 1000 μ F | | | | | | |
| Capacitance Tolerance: | ±20% | | | | | | |
| Leakage Current DCL: | 0.02CV | | | | | | |
| Rated Voltage DC (V _R) | ≤ +85°C: | 1.8 | 2.5 | 4 | 6.3 | 10 | |
| Category Voltage (V _C) | ≤ +105°C: | 1.2 | 1.7 | 2.7 | 4 | 7 | |
| Surge Voltage (V _S) | ≤ +85°C: | 2.3 | 3.3 | 5.2 | 8 | 13 | |
| Surge Voltage (V _S) | ≤ +105°C: | 1.6 | 2.2 | 3.4 | 5 | 8 | |
| Temperature Range: | -55°C to +105°C | | | | | | |
| Reliability: | 0.5% per 1000 hours at 85°C, V _R , 0.1 Ω /V series impedance, 60% confidence level Meets requirements of AEC-Q200 | | | | | | |

OxiCap® NOJ Series

Niobium Oxide Capacitor



CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

| Capacitance | | Rated Voltage DC (V _R) to 85°C / 0.66 DC to 105°C | | | | |
|-------------|------|---|----------|------------|--------------|------------|
| μF | Code | 1.8V (x) | 2.5V (e) | 4V (G) | 6.3V (J) | 10V (A) |
| 4.7 | 475 | | | | A | A |
| 6.8 | 685 | | | | A | A |
| 10 | 106 | | | | A | A/B |
| 15 | 156 | | | A | A/B | A/B |
| 22 | 226 | | A | A/B | A/B | B/C/B(700) |
| 33 | 336 | | A/B | A/B | B/C/B(700) | C |
| 47 | 476 | A | A/B | A/B/C | B/C | C |
| 68 | 686 | B | B/C | B/C | B/C | C |
| 100 | 107 | B/C | B/C | B/C/B(250) | B/C/D/B(400) | D/D(150) |
| 150 | 157 | C | C | C/D | C/D | |
| 220 | 227 | C | C | C/D | C/D/E | V |
| 330 | 337 | C | C/D | D | D/E | |
| 470 | 477 | | D/E | D/E | E/V | |
| 680 | 687 | | E | E/V | | |
| 1000 | 108 | | V | V | | |

Released codes

Engineering samples - please contact manufacturer

*Codes under development - subject to change

Note: Voltage ratings are minimum values. AVX reserves the right to supply higher ratings in the same case size, to the same reliability standards.



LEAD-FREE

LEAD-FREE COMPATIBLE
COMPONENT



RoHS
COMPLIANT



NON-BURN
NON-SMOKE

Niobium Oxide Capacitor

RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz | MSL | 100kHz RMS Current (A) | | | 100kHz RMS Voltage (V) | | |
|---|-----------|------------------|-------------------|---------------|-----------|----------------------|-----|------------------------|-------|-------|------------------------|-------|-------|
| | | | | | | | | 25°C | 85°C | 105°C | 25°C | 85°C | 105°C |
| 1.8 Volt @ 85°C (1.2 Volt @ 105°C) | | | | | | | | | | | | | |
| NOJA476M001#WJ | A | 47 | 1.8 | 1.7 | 8 | 1.6 | 1 | 0.237 | 0.213 | 0.095 | 0.379 | 0.342 | 0.152 |
| NOJB476M001#WJ | B | 47 | 1.8 | 1.7 | 6 | 1.6 | 1 | 0.252 | 0.227 | 0.101 | 0.404 | 0.364 | 0.162 |
| NOJB686M001#WJ | B | 68 | 1.8 | 2.5 | 6 | 1.5 | 1 | 0.261 | 0.235 | 0.104 | 0.391 | 0.352 | 0.156 |
| NOJB107M001#WJ | B | 100 | 1.8 | 3.6 | 6 | 1.4 | 1 | 0.270 | 0.243 | 0.108 | 0.378 | 0.340 | 0.151 |
| NOJC107M001#WJ | C | 100 | 1.8 | 3.6 | 6 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC157M001#WJ | C | 150 | 1.8 | 5.4 | 8 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC227M001#WJ | C | 220 | 1.8 | 8.0 | 8 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC337M001#WJ | C | 330 | 1.8 | 11.9 | 8 | 0.3 | 1 | 0.663 | 0.597 | 0.265 | 0.199 | 0.179 | 0.080 |
| 2.5 Volt @ 85°C (1.7 Volt @ 105°C) | | | | | | | | | | | | | |
| NOJA226M002#WJ | A | 22 | 2.5 | 1.1 | 6 | 1.9 | 1 | 0.218 | 0.196 | 0.087 | 0.414 | 0.372 | 0.165 |
| NOJA336M002#WJ | A | 33 | 2.5 | 1.7 | 6 | 1.7 | 1 | 0.230 | 0.207 | 0.092 | 0.391 | 0.352 | 0.156 |
| NOJB336M002#WJ | B | 33 | 2.5 | 1.7 | 6 | 1.7 | 1 | 0.245 | 0.220 | 0.098 | 0.416 | 0.375 | 0.167 |
| NOJA476M002#WJ | A | 47 | 2.5 | 2.4 | 8 | 1.6 | 1 | 0.237 | 0.213 | 0.095 | 0.379 | 0.342 | 0.152 |
| NOJB476M002#WJ | B | 47 | 2.5 | 2.4 | 6 | 1.6 | 1 | 0.252 | 0.227 | 0.101 | 0.404 | 0.364 | 0.162 |
| NOJB686M002#WJ | B | 68 | 2.5 | 3.4 | 6 | 1.5 | 1 | 0.261 | 0.235 | 0.104 | 0.391 | 0.352 | 0.156 |
| NOJC686M002#WJ | C | 68 | 2.5 | 3.4 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJB107M002#WJ | B | 100 | 2.5 | 5.0 | 6 | 1.4 | 1 | 0.270 | 0.243 | 0.108 | 0.378 | 0.340 | 0.151 |
| NOJC107M002#WJ | C | 100 | 2.5 | 5.0 | 6 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC157M002#WJ | C | 150 | 2.5 | 7.5 | 6 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC227M002#WJ | C | 220 | 2.5 | 11.0 | 8 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC337M002#WJ | C | 330 | 2.5 | 16.5 | 10 | 0.3 | 1 | 0.663 | 0.597 | 0.265 | 0.199 | 0.179 | 0.080 |
| NOJD337M002#WJ | D | 330 | 2.5 | 16.5 | 10 | 0.3 | 3 | 0.775 | 0.697 | 0.310 | 0.232 | 0.209 | 0.093 |
| NOJD477M002#WJ | D | 470 | 2.5 | 23.5 | 10 | 0.3 | 3 | 0.775 | 0.697 | 0.310 | 0.232 | 0.209 | 0.093 |
| NOJE477M002#WJ | E | 470 | 2.5 | 23.5 | 10 | 0.3 | 3 | 0.812 | 0.731 | 0.325 | 0.244 | 0.219 | 0.097 |
| NOJE687M002#WJ | E | 680 | 2.5 | 34.0 | 12 | 0.3 | 3 | 0.812 | 0.731 | 0.325 | 0.244 | 0.219 | 0.097 |
| NOJV108M002#WJ | V | 1000 | 2.5 | 50.0 | 18 | 0.3 | 3 | 1.000 | 0.900 | 0.400 | 0.300 | 0.270 | 0.120 |
| 4 Volt @ 85°C (2.7 Volt @ 105°C) | | | | | | | | | | | | | |
| NOJA156M004#WJ | A | 15 | 4 | 1.2 | 6 | 2 | 1 | 0.212 | 0.191 | 0.085 | 0.424 | 0.382 | 0.170 |
| NOJA226M004#WJ | A | 22 | 4 | 1.8 | 6 | 1.9 | 1 | 0.218 | 0.196 | 0.087 | 0.414 | 0.372 | 0.165 |
| NOJB226M004#WJ | B | 22 | 4 | 1.8 | 6 | 1.9 | 1 | 0.232 | 0.209 | 0.093 | 0.440 | 0.396 | 0.176 |
| NOJA336M004#WJ | A | 33 | 4 | 2.6 | 10 | 1.7 | 1 | 0.230 | 0.207 | 0.092 | 0.391 | 0.352 | 0.156 |
| NOJB336M004#WJ | B | 33 | 4 | 2.6 | 6 | 1.7 | 1 | 0.245 | 0.220 | 0.098 | 0.416 | 0.375 | 0.167 |
| NOJA476M004#WJ | A | 47 | 4 | 3.8 | 18 | 2.2 | 1 | 0.202 | 0.182 | 0.081 | 0.445 | 0.400 | 0.178 |
| NOJB476M004#WJ | B | 47 | 4 | 3.8 | 6 | 1.6 | 1 | 0.252 | 0.227 | 0.101 | 0.404 | 0.364 | 0.162 |
| NOJC476M004#WJ | C | 47 | 4 | 3.8 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJB686M004#WJ | B | 68 | 4 | 5.4 | 6 | 1.5 | 1 | 0.261 | 0.235 | 0.104 | 0.391 | 0.352 | 0.156 |
| NOJC686M004#WJ | C | 68 | 4 | 5.4 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJB107M004#WJ | B | 100 | 4 | 8.0 | 16 | 1.4 | 1 | 0.270 | 0.243 | 0.108 | 0.378 | 0.340 | 0.151 |
| NOJB107M004#WB | B | 100 | 4 | 8.0 | 16 | 0.25 | 1 | 0.639 | 0.575 | 0.255 | 0.160 | 0.144 | 0.064 |
| NOJC107M004#WJ | C | 100 | 4 | 8.0 | 6 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC157M004#WJ | C | 150 | 4 | 12.0 | 6 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJD157M004#WJ | D | 150 | 4 | 12.0 | 6 | 0.3 | 3 | 0.775 | 0.697 | 0.310 | 0.232 | 0.209 | 0.093 |
| NOJC227M004#WJ | C | 220 | 4 | 17.6 | 8 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJD227M004#WJ | D | 220 | 4 | 17.6 | 8 | 0.4 | 3 | 0.671 | 0.604 | 0.268 | 0.268 | 0.241 | 0.107 |
| NOJD337M004#WJ | D | 330 | 4 | 26.4 | 8 | 0.3 | 3 | 0.775 | 0.697 | 0.310 | 0.232 | 0.209 | 0.093 |
| NOJD477M004#WJ | D | 470 | 4 | 37.6 | 12 | 0.3 | 3 | 0.775 | 0.697 | 0.310 | 0.232 | 0.209 | 0.093 |
| NOJE477M004#WJ | E | 470 | 4 | 37.6 | 12 | 0.3 | 3 | 0.812 | 0.731 | 0.325 | 0.244 | 0.219 | 0.097 |
| NOJE687M004#WJ | E | 680 | 4 | 54.4 | 14 | 0.3 | 3 | 0.812 | 0.731 | 0.325 | 0.244 | 0.219 | 0.097 |
| NOJV687M004#WJ | V | 680 | 4 | 54.4 | 14 | 0.3 | 3 | 1.000 | 0.900 | 0.400 | 0.300 | 0.270 | 0.120 |
| NOJV108M004#WJ | V | 1000 | 4 | 80.0 | 18 | 0.3 | 3 | 1.000 | 0.900 | 0.400 | 0.300 | 0.270 | 0.120 |
| 6.3 Volt @ 85°C (4 Volt @ 105°C) | | | | | | | | | | | | | |
| NOJA475M006#WJ | A | 4.7 | 6.3 | 1.1 | 6 | 3.2 | 1 | 0.168 | 0.151 | 0.067 | 0.537 | 0.483 | 0.215 |
| NOJA685M006#WJ | A | 6.8 | 6.3 | 1.1 | 6 | 2.6 | 1 | 0.186 | 0.167 | 0.074 | 0.484 | 0.435 | 0.193 |
| NOJA106M006#WJ | A | 10 | 6.3 | 1.2 | 6 | 2.2 | 1 | 0.202 | 0.182 | 0.081 | 0.445 | 0.400 | 0.178 |
| NOJB156M006#WJ | B | 15 | 6.3 | 1.8 | 6 | 2 | 1 | 0.226 | 0.203 | 0.090 | 0.452 | 0.406 | 0.181 |
| NOJA156M006#WJ | A | 15 | 6.3 | 1.8 | 8 | 2 | 1 | 0.212 | 0.191 | 0.085 | 0.424 | 0.382 | 0.170 |
| NOJB226M006#WJ | B | 22 | 6.3 | 2.6 | 6 | 1.9 | 1 | 0.232 | 0.209 | 0.093 | 0.440 | 0.396 | 0.176 |
| NOJA226M006#WJ | A | 22 | 6.3 | 2.6 | 8 | 1.8 | 1 | 0.224 | 0.201 | 0.089 | 0.402 | 0.362 | 0.161 |
| NOJB336M006#WJ | B | 33 | 6.3 | 4.0 | 6 | 1.7 | 1 | 0.245 | 0.220 | 0.098 | 0.416 | 0.375 | 0.167 |

Moisture Sensitivity Level (MSL) is defined according to J-STD-020.

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

For typical weight and composition see page 123.

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

Niobium Oxide Capacitor

RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz | MSL | 100kHz RMS Current (A) | | | 100kHz RMS Voltage (V) | | |
|---|-----------|------------------|-------------------|---------------|-----------|----------------------|-----|------------------------|-------|-------|------------------------|-------|-------|
| | | | | | | | | 25°C | 85°C | 105°C | 25°C | 85°C | 105°C |
| 6.3 Volt @ 85°C (4 Volt @ 105°C) | | | | | | | | | | | | | |
| NOJB336M006#WB | B | 33 | 6.3 | 4.0 | 6 | 0.7 | 1 | 0.382 | 0.344 | 0.153 | 0.267 | 0.240 | 0.170 |
| NOJC336M006#WJ | C | 33 | 6.3 | 4.0 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJB476M006#WJ | B | 47 | 6.3 | 5.6 | 6 | 1.6 | 1 | 0.252 | 0.227 | 0.101 | 0.404 | 0.364 | 0.162 |
| NOJC476M006#WJ | C | 47 | 6.3 | 5.7 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJB686M006#WJ | B | 68 | 6.3 | 8.2 | 20 | 1.5 | 1 | 0.261 | 0.235 | 0.104 | 0.391 | 0.352 | 0.156 |
| NOJC686M006#WJ | C | 68 | 6.3 | 8.2 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJB107M006#WJ | B | 100 | 6.3 | 60.0 | 20 | 1.7 | 1 | 0.245 | 0.220 | 0.098 | 0.416 | 0.375 | 0.167 |
| NOJB107M006#WB | B | 100 | 6.3 | 60.0 | 20 | 0.4 | 1 | 0.505 | 0.454 | 0.202 | 0.202 | 0.182 | 0.081 |
| NOJC107M006#WJ | C | 100 | 6.3 | 12.0 | 8 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJD107M006#WJ | D | 100 | 6.3 | 12.0 | 6 | 0.4 | 3 | 0.671 | 0.604 | 0.268 | 0.268 | 0.241 | 0.107 |
| NOJC157M006#WJ | C | 150 | 6.3 | 18.0 | 6 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJD157M006#WJ | D | 150 | 6.3 | 18.0 | 6 | 0.4 | 3 | 0.671 | 0.604 | 0.268 | 0.268 | 0.241 | 0.107 |
| NOJC227M006#WJ | C | 220 | 6.3 | 26.4 | 14 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJD227M006#WJ | D | 220 | 6.3 | 26.4 | 8 | 0.4 | 3 | 0.671 | 0.604 | 0.268 | 0.268 | 0.241 | 0.107 |
| NOJE227M006#WJ | E | 220 | 6.3 | 26.4 | 12 | 0.4 | 3 | 0.704 | 0.633 | 0.281 | 0.281 | 0.253 | 0.113 |
| NOJD337M006#WJ | D | 330 | 6.3 | 39.6 | 10 | 0.3 | 3 | 0.775 | 0.697 | 0.310 | 0.232 | 0.209 | 0.093 |
| NOJE337M006#WJ | E | 330 | 6.3 | 39.6 | 12 | 0.3 | 3 | 0.812 | 0.731 | 0.325 | 0.244 | 0.219 | 0.097 |
| NOJE477M006#WJ | E | 470 | 6.3 | 56.4 | 16 | 0.3 | 3 | 0.812 | 0.731 | 0.325 | 0.244 | 0.219 | 0.097 |
| NOJV477M006#WJ | V | 470 | 6.3 | 56.4 | 12 | 0.3 | 3 | 1.000 | 0.900 | 0.400 | 0.300 | 0.270 | 0.120 |
| 10 Volt @ 85°C (7 Volt @ 105°C) | | | | | | | | | | | | | |
| NOJA475M010#WJ | A | 4.7 | 10 | 1.0 | 6 | 3.1 | 1 | 0.170 | 0.153 | 0.068 | 0.528 | 0.475 | 0.211 |
| NOJA685M010#WJ | A | 6.8 | 10 | 1.4 | 6 | 2.6 | 1 | 0.186 | 0.167 | 0.074 | 0.484 | 0.435 | 0.193 |
| NOJA106M010#WJ | A | 10 | 10 | 2.0 | 6 | 2.2 | 1 | 0.202 | 0.182 | 0.081 | 0.445 | 0.400 | 0.178 |
| NOJB106M010#WJ | B | 10 | 10 | 2.0 | 6 | 2.2 | 1 | 0.215 | 0.194 | 0.086 | 0.474 | 0.426 | 0.189 |
| NOJA156M010#WJ | A | 15 | 10 | 3.0 | 6 | 2 | 1 | 0.212 | 0.191 | 0.085 | 0.424 | 0.382 | 0.170 |
| NOJB156M010#WJ | B | 15 | 10 | 3.0 | 6 | 2 | 1 | 0.226 | 0.203 | 0.090 | 0.452 | 0.406 | 0.181 |
| NOJB226M010#WJ | B | 22 | 10 | 4.4 | 6 | 1.8 | 1 | 0.238 | 0.214 | 0.095 | 0.428 | 0.386 | 0.171 |
| NOJB226M010#WB | B | 22 | 10 | 4.4 | 6 | 0.7 | 1 | 0.382 | 0.344 | 0.153 | 0.267 | 0.240 | 0.107 |
| NOJC226M010#WJ | C | 22 | 10 | 4.4 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJC336M010#WJ | C | 33 | 10 | 6.6 | 6 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJC476M010#WJ | C | 47 | 10 | 9.4 | 6 | 0.4 | 1 | 0.574 | 0.517 | 0.230 | 0.230 | 0.207 | 0.092 |
| NOJC686M010#WJ | C | 68 | 10 | 13.6 | 12 | 0.5 | 1 | 0.514 | 0.462 | 0.206 | 0.257 | 0.231 | 0.103 |
| NOJD107M010#WJ | D | 100 | 10 | 20.0 | 12 | 0.4 | 3 | 0.671 | 0.604 | 0.268 | 0.268 | 0.241 | 0.107 |
| NOJD107M010#WB | D | 100 | 10 | 20.0 | 12 | 0.15 | 3 | 1.095 | 0.986 | 0.438 | 0.164 | 0.148 | 0.066 |
| NOJV227M010#WJ | V | 220 | 10 | 44.0 | 12 | 0.4 | 3 | 0.866 | 0.779 | 0.346 | 0.364 | 0.312 | 0.139 |

Moisture Sensitivity Level (MSL) is defined according to J-STD-020.

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalogue limit post mounting.

For typical weight and composition see page 123.

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

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**».



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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