



Click [here](#) for the 3D model.

| General Information | |
|--------------------------|--|
| Series | T409 CWR09 |
| Dielectric | MnO2 Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO2, Molded, Military Equivalent |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/ |
| SCIP Number | 652b281f-d242-4453-bc44-0655d646cec3 |
| Termination | Hot Solder Dipped |
| Qualifications | MIL-PRF-55365/4, CWR09 Style |
| AEC-Q200 | No |
| Typical Component Weight | 39.91 mg |
| Notes | Note: When Option C Is Selected For Lead Material, Add An Additional 0.38mm To The Tolerances For "L", "W", "H", "K", "F" And "S". |
| MSL | 1 |

| Dimensions | |
|------------|----------------------|
| L | 2.54mm +/-0.38mm |
| W | 1.27mm +/-0.38mm |
| H | 1.27mm +/-0.38mm |
| S | 0.76mm +0.25/-0.13mm |
| F | 1.27mm +/-0.13mm |
| K | 0.76mm MIN |
| P | 0.38mm MIN |

| Packaging Specifications | |
|--------------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 2500 |

| Specifications | |
|-------------------------|--|
| Capacitance | 1 uF |
| Tolerance | 10% |
| Voltage DC | 10 VDC (85C), 6.7 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | C (0.01%/1000 Hrs) |
| ESR | 10 Ohms (100kHz 25C) |
| Ripple Current | 71 mA (rms, 100kHz 25C) |
| Leakage Current | 1 uA (5min 25°C) |
| Testing and Reliability | Surge Testing (10 Cycles At -55C And +85C After Weibull) |

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