



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                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>       |
| SCIP Number              | 652b281f-d242-4453-bc44-0655d646cec3   |
| Termination              | Hot Solder Dipped  |
| Qualifications           | MIL-PRF-55365/4, CWR09 Style   |
| AEC-Q200                 | No   |
| Typical Component Weight | 349.01 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 | 7.24mm +/-0.38mm     |
| W | 3.81mm +/-0.38mm     |
| H | 2.79mm +/-0.38mm     |
| S | 1.27mm +0.25/-0.13mm |
| F | 3.68mm +0.13/-0.51mm |
| K | 1.52mm MIN           |
| P | 0.76mm MIN           |

## Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 500        |

## Specifications

|                         |  |
|-------------------------|--|
| Capacitance             | 4.7 uF   |
| Tolerance               | 10%  |
| Voltage DC              | 50 VDC (85C), 33.5 VDC (125C)                            |
| Temperature Range       | -55/+125°C   |
| Rated Temperature       | 85°C   |
| Dissipation Factor      | 6% 120Hz 25C   |
| Failure Rate            | R (0.01%/1000 Hrs)                                       |
| ESR                     | 1.5 Ohms (100kHz 25C)                                    |
| Ripple Current          | 316 mA (rms, 100kHz 25C)                                 |
| Leakage Current         | 3 uA (5min 25°C)   |
| Testing and Reliability | Surge Testing (10 Cycles At -55C And +85C After Weibull) |

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