

## CWR09NC105KA

Aliases (T409E105K050AC)

T409 CWR09, Tantalum, MnO<sub>2</sub> Tantalum, Military/High Reliability, 1 uF, 10%, 50 VDC, SMD, MnO<sub>2</sub>, Molded, Military Equivalent, A (Non-ER), 6 Ohms, 5125, Height Max = 1.65mm



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

### Dimensions

|           |                      |
|-----------|----------------------|
| Footprint | 5125                 |
| L         | 5.08mm +/-0.38mm     |
| W         | 2.54mm +/-0.38mm     |
| H         | 1.27mm +/-0.38mm     |
| S         | 0.76mm +0.25/-0.13mm |
| F         | 2.41mm +0.13/-0.25mm |
| K         | 0.76mm MIN           |
| P         | 0.38mm MIN           |

### Packaging Specifications

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

### General Information

|                  |  |
|------------------|--|
| Series           | T409 CWR09   |
| Dielectric       | MnO <sub>2</sub> Tantalum  |
| Style            | SMD Chip   |
| Description      | SMD, MnO <sub>2</sub> , Molded, Military Equivalent  |
| RoHS             | No   |
| Prop 65          | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://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   |
| Component Weight | 421.63 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  |

### Specifications

|                         |                               |
|-------------------------|-------------------------------|
| Capacitance             | 1 uF                          |
| Capacitance 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            | A (Non-ER)                    |
| Resistance              | 6 Ohms (100kHz 25C)           |
| Leakage Current         | 1 uA (5min 25°C)              |
| Testing and Reliability | Standard Testing Only         |

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