

**KEMET Part Number: CWR11KK105KCC**  
(T492B105K025CK4252)



T492 CWR11, Tantalum, MnO2 Tantalum, Military/High Reliability, 1 uF, 10%, 25 VDC, SMD, MnO2, Molded, Military Equivalent, C (0.01%/1000 Hrs), 6.5 Ohms, 3528, Height Max = 2.1mm



| Dimensions |                 |
|------------|-----------------|
| Footprint  | 3528            |
| L          | 3.5mm +/-0.2mm  |
| W          | 2.8mm +/-0.2mm  |
| H          | 1.9mm +/-0.2mm  |
| T          | 0.13mm REF      |
| S          | 0.8mm +/-0.3mm  |
| F          | 2.2mm +/-0.1mm  |
| B          | 0.4mm +/-0.15mm |
| E          | 2.2mm REF       |
| G          | 1.8mm REF       |
| K          | 0.7mm MIN       |
| P          | 0.35mm MIN      |
| R          | 1mm REF         |
| X          | 0.1mm +/-0.1mm  |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging:               | T&R, 178mm |
| Packaging Quantity:      | 2000       |

| General Information |  |
|---------------------|--|
| Series:             | T492 CWR11   |
| 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="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> .                |
| SCIP Number:        | 656db0b8-8445-4117-82f2-2f12e764f0b1   |
| Termination:        | Solder Fused   |
| Qualifications:     | MIL-PRF-55365/8, CWR11 Style   |
| AEC-Q200:           | No   |
| Component Weight:   | 102.3 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:              | 25 VDC (85C), 16.75 VDC (125C)                |
| Temperature Range:       | -55/+125°C                                    |
| Rated Temperature:       | 85°C  |
| Dissipation Factor:      | 4% 120Hz 25C                                  |
| Failure Rate:            | C (0.01%/1000 Hrs)                            |
| Resistance:              | 6.5 Ohms (100kHz 25C)                         |
| Leakage Current:         | 0.5 uA (5min 25°C)                            |
| Testing and Reliability: | Surge Testing At -55C And +85C Before Weibull |

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