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| General Information |  |
|---------------------|--|
| Series              | T419 CWR19   |
| Dielectric          | MnO <sub>2</sub> Tantalum  |
| Style               | SMD Chip   |
| Description         | SMD, MnO <sub>2</sub> , Molded, Military Equivalent  |
| RoHS                | Yes  |
| Termination         | Gold   |
| Qualifications      | MIL-PRF-55365/11, CWR19 Style  |
| AEC-Q200            | No   |
| 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 |                      |
|------------|----------------------|
| Footprint  | 2513                 |
| 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           |

| Specifications          |   |
|-------------------------|---|
| Capacitance             | 1 uF  |
| Capacitance Tolerance   | 10%   |
| Voltage DC              | 20 VDC (85C), 13.4 VDC (125C)                 |
| Temperature Range       | -55/+125°C                                    |
| Rated Temperature       | 85°C  |
| Dissipation Factor      | 6% 120Hz 25C                                  |
| Failure Rate            | C (0.01%/1000 Hrs)                            |
| Resistance              | 15 Ohms (100kHz 25C)                          |
| Leakage Current         | 1 uA (5min 25°C)                              |
| Testing and Reliability | Surge Testing At -55C And +85C Before Weibull |

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

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