

**KEMET Part Number: CWR29JB106JDEB**  
(T429E106J020DB4251)



T429 CWR29, Tantalum, MnO2 Tantalum, Military/High Reliability, 10 uF, 5%, 20 VDC, SMD, MnO2, Molded, Military Equivalent, Low ESR, D (0.001%/1000 Hrs), 1.5 Ohms, 5125, Height Max = 1.65mm



| 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:             | T429 CWR29   |
| Dielectric:         | MnO2 Tantalum  |
| Style:              | SMD Chip   |
| Description:        | SMD, MnO2, Molded, Military Equivalent, Low ESR  |
| RoHS:               | Yes  |
| Termination:        | Gold   |
| Qualifications:     | MIL-PRF-55365/11, CWR29 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:             | 10 uF  |
| Capacitance Tolerance:   | 5%   |
| 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:            | D (0.001%/1000 Hrs)                          |
| Resistance:              | 1.5 Ohms (100kHz 25C)                        |
| Leakage Current:         | 2 uA (5min 25°C)                             |
| Testing and Reliability: | Surge Testing At -55C And +85C After Weibull |

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