

KEMET Part Number: CWR29MK685KCGC
(T429G685K035CK4252)



T429 CWR29, Tantalum, MnO2 Tantalum, Military/High Reliability, 6.8 uF, 10%, 35 VDC, SMD, MnO2, Molded, Military Equivalent, Low ESR, C (0.01%/1000 Hrs), 400 mOhms, 6728, Height Max = 3.17mm



| Dimensions | |
|------------|----------------------|
| Footprint | 6728 |
| L | 6.73mm +/-0.38mm |
| W | 2.79mm +/-0.38mm |
| H | 2.79mm +/-0.38mm |
| S | 1.27mm +0.25/-0.13mm |
| F | 2.67mm +/-0.13mm |
| K | 1.52mm MIN |
| P | 0.76mm MIN |

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

| General Information | |
|---------------------|--|
| Series: | T429 CWR29 |
| Dielectric: | MnO2 Tantalum |
| Style: | SMD Chip |
| Description: | SMD, MnO2, Molded, Military Equivalent, Low ESR |
| RoHS: | No |
| Prop 65: | WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov . |
| SCIP Number: | 656db0b8-8445-4117-82f2-2f12e764f0b1 |
| Termination: | Solder Fused |
| Qualifications: | MIL-PRF-55365/11, CWR29 Style |
| AEC-Q200: | No |
| Component Weight: | 266.42 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: | 6.8 uF |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 35 VDC (85C), 23.45 VDC (125C) |
| Temperature Range: | -55/+125°C |
| Rated Temperature: | 85°C |
| Dissipation Factor: | 6% 120Hz 25C |
| Failure Rate: | C (0.01%/1000 Hrs) |
| Resistance: | 0.4 Ohms (100kHz 25C) |
| Leakage Current: | 3 uA (5min 25°C) |
| Testing and Reliability: | Surge Testing At -55C And +85C Before Weibull |

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