

T493 Space, Tantalum, MnO2 Tantalum, Space, 6.8 uF, 20%, 25 VDC, SMD, MnO2, Molded, Aerospace, C (0.01%/1000 Hrs), 600 mOhms, 6032, Height Max = 2.8mm



| Dimensions | |
|------------|-----------------|
| Footprint | 6032 |
| L | 6mm +/-0.3mm |
| W | 3.2mm +/-0.3mm |
| H | 2.5mm +/-0.3mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 3.1mm MIN |
| B | 0.5mm +/-0.15mm |
| E | 2.4mm REF |
| G | 2.8mm REF |
| K | 1mm MIN |
| P | 0.5mm MIN |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm |

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

| General Information | |
|---------------------|---|
| Series: | T493 Space |
| Dielectric: | MnO2 Tantalum |
| Style: | SMD Chip |
| Description: | SMD, MnO2, Molded, Aerospace |
| Features: | Aerospace |
| RoHS: | No |
| Prop 65: | WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov . |
| SCIP Number: | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa |
| Termination: | Solder Coated |
| AEC-Q200: | No |
| Component Weight: | 224.2 mg |
| Notes: | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

| Specifications | |
|--------------------------|--|
| Capacitance: | 6.8 uF |
| Capacitance Tolerance: | 20% |
| Voltage DC: | 25 VDC (85C), 16.75 VDC (125C) |
| Temperature Range: | -55/+125°C |
| Rated Temperature: | 85°C |
| Dissipation Factor: | 6% 120Hz 20C |
| Failure Rate: | C (0.01%/1000 Hrs) |
| Resistance: | 0.6 Ohms (100kHz 20C) |
| Leakage Current: | 1.7 uA (5min 20°C) |
| Testing and Reliability: | 10 Cycles Surge Current Testing At +25C After Weibull; Additional Testing Option A |

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