

T493 Space, Tantalum, MnO2 Tantalum, Space, 68 uF, 10%, 10 VDC, SMD, MnO2, Molded, Aerospace, C (0.01%/1000 Hrs), 300 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:               | Yes   |
| Termination:        | Gold  |
| 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:             | 68 uF  |
| Capacitance Tolerance:   | 10%  |
| Voltage DC:              | 10 VDC (85C), 6.7 VDC (125C)   |
| Temperature Range:       | -55/+125°C   |
| Rated Temperature:       | 85°C   |
| Dissipation Factor:      | 6% 120Hz 20C   |
| Failure Rate:            | C (0.01%/1000 Hrs)   |
| Resistance:              | 0.3 Ohms (100kHz 20C)  |
| Leakage Current:         | 6.8 uA (5min 20°C)   |
| Testing and Reliability: | 10 Cycles Surge Testing At -55C And +85C Before Weibull; Additional Testing Option C |

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