

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Click [here](#) for the 3D model.

Dimensions

| | |
|-----------|-----------------|
| Footprint | 3216 |
| L | 3.2mm +/-0.2mm |
| W | 1.6mm +/-0.2mm |
| H | 1.6mm +/-0.2mm |
| T | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 1.2mm +/-0.1mm |
| A | 1.2mm MIN |
| B | 0.4mm +/-0.15mm |
| E | 1.3mm REF |
| G | 1.1mm REF |
| P | 0.35mm MIN |
| R | 0.4mm REF |
| X | 0.1mm +/-0.1mm |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 2000 |

General Information

| | |
|------------------|---|
| Series | T493 HRA |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, High Reliability |
| Features | High Reliability |
| RoHS | Yes |
| Termination | Tin |
| AEC-Q200 | No |
| Component Weight | 58.97 mg |
| Notes | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

Specifications

| | |
|-------------------------|--------------------------------|
| Capacitance | .33 uF |
| Capacitance Tolerance | 5% |
| Voltage DC | 25 VDC (85C), 16.75 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 4% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| Resistance | 15 Ohms (100kHz 25C) |
| Ripple Current | 71 mA (rms, 100kHz 25C) |
| Leakage Current | 0.5 uA (5min 25°C) |
| Testing and Reliability | Standard Testing Only |