

CATHODE (-) END VIEW



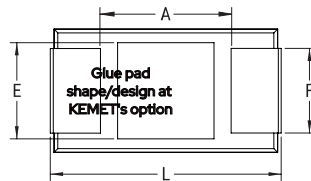
SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

General Information

| | |
|--------------------------|---|
| Series | T493 HRA |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, High Reliability |
| Features | High Reliability |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/ |
| SCIP Number | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa |
| Termination | Tin Lead (SnPb) |
| AEC-Q200 | No |
| Typical Component Weight | 102.3 mg |
| Notes | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

Dimensions

| | |
|---|--------------------|
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| H | 1.9mm +/-0.2mm |
| T | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 1.9mm MIN |
| B | 0.4mm +/-0.15mm |
| E | 2.2mm REF |
| G | 1.8mm REF |
| P | 0.35mm MIN |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm REF |

Packaging Specifications

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

Specifications

| | |
|-------------------------|---|
| Capacitance | 4.7 uF |
| Tolerance | 10% |
| Voltage DC | 10 VDC (85C), 6.7 VDC (125C) |
| Temperature Range | -55/ +125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| ESR | 1.5 Ohms (100kHz 25C) |
| Ripple Current | 224 mA (rms, 100kHz 25C) |
| Leakage Current | 0.5 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C Before Weibull |

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