

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

General Information

| | |
|--------------------------|---|
| Series | T490 |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, Low Profile, Consumer |
| RoHS | Yes |
| Termination | Tin |
| AEC-Q200 | No |
| Typical Component Weight | 63.89 mg |
| Shelf Life | 156 Weeks |
| MSL | 1 |

Dimensions

| | |
|---|-------------------|
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| H | 1.1mm +/-0.1mm |
| T | 0.13mm REF |
| S | 0.8mm +0.2/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 1.9mm MIN |
| E | 2.2mm REF |
| G | 1.8mm REF |
| X | 0.05mm REF |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 2500 |

Specifications

| | |
|-------------------|---|
| Capacitance | 47 uF |
| Tolerance | 20% |
| Voltage DC | 10 VDC (40C), 5 VDC (85C), 2 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 40°C |
| Humidity | 40C, 93% RH, 1000 Hours, No Load |
| Failure Rate | N/A |
| ESR | 1 Ohms (100kHz 25C) |
| Ripple Current | 265 mAmps (100kHz 25C), 238.5 mAmps (40C), 106 mAmps (125C) |
| Leakage Current | 4.7 uA (5min 25°C) |