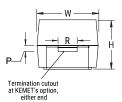


T493A105K016CK6410

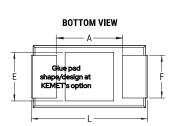
T493 HRA, Tantalum, MnO2 Tantalum, HRA, 1 uF, 10%, 16 VDC, SMD, MnO2, Molded, High Reliability, C (0.01%/1000 Hrs), 10 Ohms, 3216, 1.8 mm, 0.8 mm

CATHODE (-) END VIEW



ANODE (+) END VIEW





— G -

- S -

SIDE VIEW

B

- |- s-

Click here for the 3D model.

| General Information | |
|--------------------------|--|
| Series | T493 HRA |
| Dielectric | MnO2 Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO2, Molded, High Reliability |
| Features | High Reliability |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov / |
| SCIP Number | 656db0b8-8445-4117-82f2-2f12 e764f0b1 |
| Termination | Solder Fused |
| AEC-Q200 | No |
| Typical 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). |

| Dimensions | |
|------------|--------------------|
| L | 3.2mm +/-0.2mm |
| W | 1.6mm +/-0.2mm |
| н | 1.6mm +/-0.2mm |
| Т | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 1.2mm +/-0.1mm |
| Α | 1.2mm MIN |
| В | 0.4mm +/-0.15mm |
| E | 1.3mm REF |
| G | 1.1mm REF |
| Р | 0.35mm MIN |
| R | 0.4mm REF |
| Х | 0.1mm +/-0.1mm REF |

| Specifications | |
|-------------------------|---|
| Capacitance | 1uF |
| Tolerance | 10% |
| Voltage DC | 16 VDC (85C), 10.72 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 4% 120Hz 25C |
| Failure Rate | C (0.01%/1000 Hrs) |
| ESR | 10 Ohms (100kHz 25C) |
| Ripple Current | 87 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 |

Packaging SpecificationsPackagingT&R, 178mmPackaging Quantity2000

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.