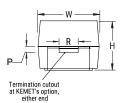


T493A475K016BH6220

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 4.7 uF, 10%, 16 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 3 Ohms, 3216, 1.8 mm, 0.8 mm

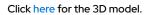
CATHODE (-) END VIEW



ANODE (+) END VIEW

BOTTOM VIEW

SIDE VIEW



| 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 | 1dd2e1b8-26dd-4d52-927c-6f9 d519011aa |
| Termination | Tin Lead (SnPb) |
| 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 |
| A | 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 | 4.7 uF |
| Tolerance | 10% |
| Voltage DC | 16 VDC (85C), 10.72 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| ESR | 3 Ohms (100kHz 25C) |
| Ripple Current | 158 mA (rms, 100kHz 25C) |
| Leakage Current | 0.8 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At +25C After Weibull |

Packaging Specifications Packaging T&R, 178mm Packaging Quantity 2000

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.