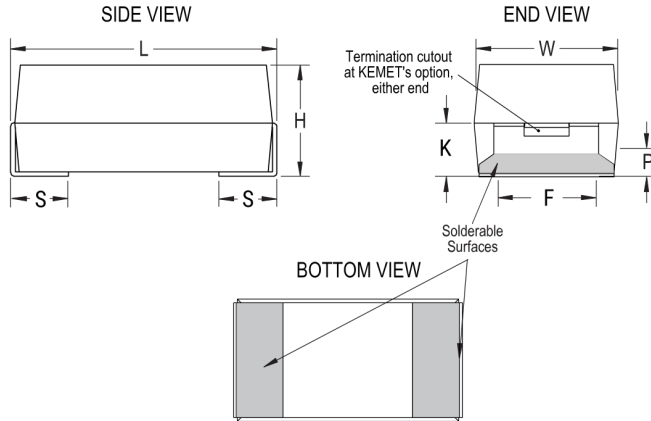


T497H475K050BH6411

T497 HRA, Tantalum, MnO₂ Tantalum, HRA, 4.7 uF, 10%, 50 VDC, SMD, MnO₂, Molded, High Reliability, Medical, B (0.1%/1000 Hrs), 1.5 Ohms, 7238, Height Max = 3.17mm



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

Dimensions

| | |
|-----------|----------------------|
| Footprint | 7238 |
| L | 7.24mm +/-0.38mm |
| W | 3.81mm +/-0.38mm |
| H | 2.79mm +/-0.38mm |
| S | 1.27mm +0.25/-0.13mm |
| F | 3.68mm +0.13/-0.51mm |
| K | 1.52mm MIN |
| P | 0.76mm MIN |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 500 |

General Information

| | |
|------------------|---|
| Series | T497 HRA |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, High Reliability, Medical |
| Features | High Reliability, Medical |
| RoHS | No |
| Prop 65 | ⚠ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov . |
| SCIP Number | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa |
| Termination | Solder Coated |
| Qualifications | CWR09/19/29 Style |
| AEC-Q200 | No |
| Component Weight | 349.01 mg |
| Miscellaneous | F1 Technology + Simulated Breakdown Screening (SBDS). |
| Notes | Note: When solder coated terminations are required, add an additional 0.38mm (0.015inch) to the tolerances for "L", "W", "H", "K", "F" and "S". |
| MSL | 1 |

Specifications

| | |
|-------------------------|--|
| Capacitance | 4.7 uF |
| Capacitance Tolerance | 10% |
| Voltage DC | 50 VDC (85C), 33.5 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Humidity | 85C, 85% RH, 1000 Hours, No Load |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| Resistance | 1.5 Ohms (100kHz 25C) |
| Ripple Current | 316 mA (rms, 100kHz 25C) |
| Leakage Current | 2.4 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C |

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.