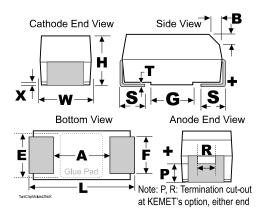
KEMET Part Number: T502B106M016AG6310



Capacitor, Tantalum, 10 uF, 3528, +/-20% Tol, -55/+230C, 16 VDC (85C), Failure Rate=N/A



| Dimensions (mm) | | | |
|-----------------|-----------|-----------|--|
| Symbol | Dimension | Tolerance | |
| L | 3.5 | +/-0.2 | |
| W | 2.8 | +/-0.2 | |
| Н | 1.9 | +/-0.2 | |
| F | 2.2 | +/-0.1 | |
| S | 0.8 | +0.1/-0.3 | |
| В | 0.4 | +/-0.15 | |
| Х | 0.1 | +/-0.1 | |
| Р | 0.5 | REF | |
| R | 1 | REF | |
| Т | 0.13 | REF | |
| Α | 1.9 | MIN | |

-In polarity stripe, at KEMET's option, type may be indicated: no symbol = Standard (or low leakage) MnO2 tantalum chip, O = LowESR T494, R = Low ESR T495, F = Fused T496, HT = 150C rated T498 (or B45196P, B45198P), H = 175C rated T499, M = Multiple anode

| General Information | | |
|------------------------|--|--|
| Supplier: | KEMET | |
| Application: | High Temperature | |
| Sub Application: | (230C) | |
| Part Type Description: | SMD, MnO2, Molded, High Temperature, 230C | |
| Construction: | Standard Chip-MnO2 | |
| Body Type: | SMD Chip | |
| Footprint: | 3528 | |
| Weight: | 63 mg | |
| RoHS: | Yes | |

| Specifications | | |
|-------------------------|---|--|
| Capacitance: | 10 uF | |
| Tolerance: | +/-20% | |
| Voltage: | 16 VDC (85C) | |
| Voltage: | 6.6 VDC (125C) | |
| Voltage: | 3.2 VDC (230C) | |
| Temperature Range: | -55/+230C | |
| Testing: | 10 Cycles Surge Current Testing At -55C And +85C After Weibull | |
| Current/Ripple Current: | 551 mAmps (100kHz 45C) | |
| Resistance/ESR: | 2.8 Ohms (100kHz) | |
| Failure Rate: | N/A | |
| Leakage Current: | 1.6 uA | |
| Dissipation Factor: | 6% | |

| Packaging Specifications | | |
|--------------------------|-------------|--|
| Package Kind: | T&R | |
| Package Size: | 7 in/180 mm | |
| Package 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.

