

T502D685K035AG6110

T502, Tantalum, MnO₂ Tantalum, High Temperature, 6.8 uF, 10%, 35 VDC, SMD, MnO₂, Un-Encapsulated, High Temperature, 230C, 1.8 Ohms, 3.1 mm, 2817 / 7343



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

General Information

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|--------------------------|---|
| Series | T502 |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Un-Encapsulated, High Temperature, 230C |
| Features | 230C |
| RoHS | Yes |
| Termination | Gold |
| Typical Component Weight | 292 mg |
| Shelf Life | 156 Weeks |
| MSL | 1 |

Dimensions

| | |
|---|--------------------|
| L | 7.3mm +/-0.3mm |
| W | 4.3mm +/-0.3mm |
| H | 2.8mm +/-0.3mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.4mm +/-0.1mm |
| A | 3.8mm MIN |
| B | 0.5mm +/-0.15mm |
| E | 3.5mm REF |
| G | 3.5mm REF |
| P | 0.9mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm REF |

Specifications

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|-------------------------|--|
| Capacitance | 6.8 uF |
| Tolerance | 10% |
| Voltage DC | 35 VDC (85C), 28.7 VDC (125C), 11.6 VDC (230C) |
| Temperature Range | -55/+230°C |
| Rated Temperature | 85°C |
| Humidity | 85C, 85% RH, 0 V, 500 Hours |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | N/A |
| ESR | 1.8 Ohms (100kHz 25C) |
| Ripple Current | 289 mA (rms, 100kHz 45C) |
| Leakage Current | 2.4 uA (5min 25°C) |
| Testing and Reliability | Standard Testing Only |

Packaging Specifications

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

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