

T513X227K016BC63207610

T513 HRA, Tantalum, MnO₂ Tantalum, HRA Multi-Anode, 220 uF, 10%, 16 VDC, SMD, MnO₂, Molded, Military Equivalent, MAT High Reliability, B (0.1%/1000 Hrs), 25 mOhms, 7343, Height Max = 4.3mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

Dimensions

| | |
|-----------|-----------------|
| Footprint | 7343 |
| L | 7.3mm +/-0.3mm |
| W | 4.3mm +/-0.3mm |
| H | 4mm +/-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 | 1.7mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm |

Packaging Specifications

Packaging Bulk, Bag

General Information

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|------------------|--|
| Series | T513 HRA |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, Military Equivalent, MAT High Reliability |
| Features | Low ESR |
| RoHS | No |
| Prop 65 | ⚠ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov . |
| Termination | Hot Solder Dipped |
| AEC-Q200 | No |
| Component Weight | 430.15 mg |

Specifications

| | |
|-------------------------|--|
| Capacitance | 220 uF |
| Capacitance Tolerance | 10% |
| Voltage DC | 16 VDC (85C), 10.72 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 10% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| Resistance | 25 mOhms (100kHz 25C) |
| Leakage Current | 35.2 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C After Weibull |

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