

## T513X107K020BT6420

T513 HRA, Tantalum, MnO<sub>2</sub> Tantalum, HRA Multi-Anode, 100 uF, 10%, 20 VDC, SMD, MnO<sub>2</sub>, Molded, Military Equivalent, MAT High Reliability, B (0.1%/1000 Hrs), 40 mOhms, 4.3 mm, 2817 / 7343



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### General Information

|                          |   |
|--------------------------|---|
| Series                   | T513 HRA  |
| Dielectric               | MnO <sub>2</sub> Tantalum   |
| Style                    | SMD Chip  |
| Description              | SMD, MnO <sub>2</sub> , Molded, Military Equivalent, MAT High Reliability |
| Features                 | Low ESR   |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Typical Component Weight | 430.15 mg   |

### Dimensions

|   |                    |
|---|--------------------|
| 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 REF |

### Specifications

|                         |   |
|-------------------------|---|
| Capacitance             | 100 uF  |
| Tolerance               | 10%   |
| Voltage DC              | 20 VDC (85C), 13.4 VDC (125C)   |
| Temperature Range       | -55/+125°C  |
| Rated Temperature       | 85°C  |
| Dissipation Factor      | 8% 120Hz 25C  |
| Failure Rate            | B (0.1%/1000 Hrs)   |
| ESR                     | 40 mOhms (100kHz 25C)   |
| Ripple Current          | 2030 mA (rms, 100kHz 25C)   |
| Leakage Current         | 20 uA (5min 25°C)   |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C +/-5C And +85C +/-5C Before Weibull |

### Packaging Specifications

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

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