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**General Information**

|                          |                   |
|--------------------------|-------------------|
| Series                   | T491              |
| Dielectric               | MnO2 Tantalum     |
| Style                    | SMD Chip          |
| Description              | SMD, MnO2, Molded |
| RoHS                     | Yes               |
| Termination              | Tin               |
| Typical Component Weight | 224.48 mg         |
| Shelf Life               | 156 Weeks         |
| MSL                      | 1                 |

| Dimensions |                    |
|------------|--------------------|
| L          | 6mm +/-0.3mm       |
| W          | 3.2mm +/-0.3mm     |
| H          | 2.5mm +/-0.3mm     |
| T          | 0.13mm REF         |
| S          | 1.3mm +/-0.3mm     |
| F          | 2.2mm +/-0.1mm     |
| A          | 2.9mm MIN          |
| B          | 0.5mm +/-0.15mm    |
| E          | 2.4mm REF          |
| G          | 2.8mm REF          |
| P          | 0.9mm REF          |
| R          | 1mm REF            |
| X          | 0.1mm +/-0.1mm REF |

| Specifications     |   |
|--------------------|---|
| Capacitance        | 47 uF   |
| Tolerance          | 10%   |
| Voltage DC         | 20 VDC (85C), 13.4 VDC (125C)                                   |
| Temperature Range  | -55/+125°C  |
| Rated Temperature  | 85°C  |
| Dissipation Factor | 6% 120Hz 25C  |
| Failure Rate       | N/A   |
| ESR                | 0.9 Ohms (100kHz 25C)   |
| Ripple Current     | 350 mA (rms, 100kHz 25C), 315 mA (rms, 85C), 140 mA (rms, 125C) |
| Leakage Current    | 9.4 uA (5min 25°C)  |

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

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