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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 | 446.84 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          | 3.6mm 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     |  |
|--------------------|--|
| Capacitance        | 4.7 uF   |
| Tolerance          | 10%  |
| Voltage DC         | 50 VDC (85C), 33.5 VDC (125C)  |
| Temperature Range  | -55/+125°C   |
| Rated Temperature  | 85°C   |
| Dissipation Factor | 6% 120Hz 25C   |
| Failure Rate       | N/A  |
| ESR                | 1.2 Ohms (100kHz 25C)  |
| Ripple Current     | 354 mA (rms, 100kHz 25C),<br>318.6 mA (rms, 85C), 141.6 mA (rms, 125C) |
| Leakage Current    | 2.4 uA (5min 25°C)   |

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

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