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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 | 58.6 mg           |
| Shelf Life               | 156 Weeks         |
| MSL                      | 1                 |

| Dimensions |                    |
|------------|--------------------|
| L          | 3.2mm +/-0.2mm     |
| W          | 1.6mm +/-0.2mm     |
| H          | 1.6mm +/-0.2mm     |
| T          | 0.13mm REF         |
| S          | 0.8mm +0.2/-0.3mm  |
| F          | 1.2mm +/-0.1mm     |
| A          | 1.2mm MIN          |
| B          | 0.4mm +/-0.15mm    |
| E          | 1.3mm REF          |
| G          | 1.1mm REF          |
| P          | 0.4mm REF          |
| R          | 0.4mm REF          |
| X          | 0.1mm +/-0.1mm REF |

| Specifications     |                                                               |
|--------------------|---------------------------------------------------------------|
| Capacitance        | 3.3 uF                                                        |
| Tolerance          | 10%                                                           |
| Voltage DC         | 6.3 VDC (85C), 4.22 VDC (125C)                                |
| Temperature Range  | -55/+125°C                                                    |
| Rated Temperature  | 85°C                                                          |
| Dissipation Factor | 6% 120Hz 25C                                                  |
| Failure Rate       | N/A                                                           |
| ESR                | 7 Ohms (100kHz 25C)                                           |
| Ripple Current     | 104 mA (rms, 100kHz 25C), 94 mA (rms, 85C), 42 mA (rms, 125C) |
| Leakage Current    | 0.5 uA (5min 25°C)                                            |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging                | T&R, 178mm |
| Packaging Quantity       | 2000       |

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