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**General Information**

|                          |   |
|--------------------------|---|
| Series                   | T493 HRA  |
| Dielectric               | MnO2 Tantalum   |
| Style                    | SMD Chip  |
| Description              | SMD, MnO2, Molded, High Reliability   |
| Features                 | High Reliability  |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Typical Component Weight | 58.97 mg  |
| Notes                    | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

| Dimensions |                    |
|------------|--------------------|
| L          | 3.2mm +/-0.2mm     |
| W          | 1.6mm +/-0.2mm     |
| H          | 1.6mm +/-0.2mm     |
| T          | 0.13mm REF         |
| S          | 0.8mm +/-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          | 0.35mm MIN         |
| R          | 0.4mm REF          |
| X          | 0.1mm +/-0.1mm REF |

| Specifications          |                              |
|-------------------------|------------------------------|
| Capacitance             | 10 uF                        |
| Tolerance               | 10%                          |
| Voltage DC              | 4 VDC (85C), 2.68 VDC (125C) |
| Temperature Range       | -55/+125°C                   |
| Rated Temperature       | 85°C                         |
| Dissipation Factor      | 6% 120Hz 25C                 |
| Failure Rate            | C (0.01%/1000 Hrs)           |
| ESR                     | 6 Ohms (100kHz 25C)          |
| Ripple Current          | 112 mA (rms, 100kHz 25C)     |
| Leakage Current         | 0.5 uA (5min 25°C)           |
| Testing and Reliability | Standard Testing Only        |

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

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