

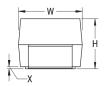
## T493A104K050CB6420

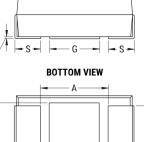
T493 HRA, Tantalum, MnO2 Tantalum, HRA, 1 uF, 10%, 50 VDC, SMD, MnO2, Molded, High Reliability, C (0.01%/1000 Hrs), 10 Ohms, 3216, Height Max = 1.8mm

**CATHODE (-) END VIEW** 

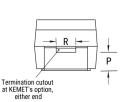


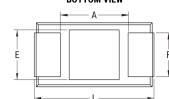
B





ANODE (+) END VIEW





Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 3216            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| Н          | 1.6mm +/-0.2mm  |
| т          | 0.13mm REF      |
| S          | 0.8mm +/-0.3mm  |
| F          | 1.2mm +/-0.1mm  |
| А          | 1.2mm MIN       |
| В          | 0.4mm +/-0.15mm |
| E          | 1.3mm REF       |
| G          | 1.1mm REF       |
| Р          | 0.35mm MIN      |
| R          | 0.4mm REF       |
| Х          | 0.1mm +/-0.1mm  |
|            |                 |

Т

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

| General Informatio  | n   |
|---------------------|---|
| Series              | T493 HRA  |
| Dielectric          | MnO2 Tantalum   |
| Style               | SMD Chip  |
| Description         | SMD, MnO2, Molded, High Reliability   |
| Features            | High Reliability  |
| RoHS                | Yes   |
| Termination         | Gold  |
| AEC-Q200            | No  |
| Component<br>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). |

| Specifications             |  |
|----------------------------|--|
| Capacitance                | .1 uF  |
| Capacitance<br>Tolerance   | 10%  |
| Voltage DC                 | 50 VDC (85C), 33.5 VDC (125C)                                      |
| Temperature<br>Range       | -55/+125°C   |
| Rated<br>Temperature       | 85°C   |
| <b>Dissipation Factor</b>  | 4% 120Hz 25C   |
| Failure Rate               | C (0.01%/1000 Hrs)   |
| Resistance                 | 10 Ohms (100kHz 25C)   |
| <b>Ripple Current</b>      | 87 mA (rms, 100kHz 25C)  |
| Leakage Current            | 0.5 uA (5min 25°C)   |
| Testing and<br>Reliability | 10 Cycles Surge Current Testing At -55C And<br>+85C Before Weibull |

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