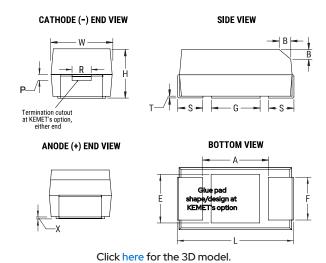


## T493C156K010CB6420

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 15 uF, 10%, 10 VDC, SMD, MnO2, Molded, High Reliability, C (0.01%/1000 Hrs), 500 mOhms, 6032, 2.8 mm, 1.3 mm



| General Information      |  |
|--------------------------|--|
| Series                   | T493 HRA   |
| Dielectric               | MnO2 Tantalum  |
| Style                    | SMD Chip   |
| Description              | SMD, MnO2, Molded, High<br>Reliability   |
| Features                 | High Reliability   |
| RoHS                     | Yes  |
| Termination              | Gold   |
| AEC-Q200                 | No   |
| Typical Component Weight | 224.2 mg   |
| Notes                    | P and R dimensions represents<br>the minimum solderable area of<br>the termination surface entirely<br>below cutout (if one is present). |

| Dimensions |                    |
|------------|--------------------|
| L          | 6mm +/-0.3mm       |
| W          | 3.2mm +/-0.3mm     |
| Н          | 2.5mm +/-0.3mm     |
| Т          | 0.13mm REF         |
| S          | 1.3mm +/-0.3mm     |
| F          | 2.2mm +/-0.1mm     |
| A          | 3.1mm MIN          |
| В          | 0.5mm +/-0.15mm    |
| E          | 2.4mm REF          |
| G          | 2.8mm REF          |
| P          | 0.5mm MIN          |
| R          | 1mm REF            |
| X          | 0.1mm +/-0.1mm REF |

| C                       |   |
|-------------------------|---|
| Specifications          |   |
| Capacitance             | 15 uF   |
| Tolerance               | 10%   |
| Voltage DC              | 10 VDC (85C), 6.7 VDC (125C)  |
| Temperature Range       | -55/+125°C  |
| Rated Temperature       | 85°C  |
| Dissipation Factor      | 6% 120Hz 25C  |
| Failure Rate            | C (0.01%/1000 Hrs)  |
| ESR                     | 0.5 Ohms (100kHz 25C)   |
| Ripple Current          | 469 mA (rms, 100kHz 25C)  |
| Leakage Current         | 1.5 uA (5min 25°C)  |
| Testing and Reliability | 10 Cycles Surge Current Testing<br>At -55C And +85C Before<br>Weibull |

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

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