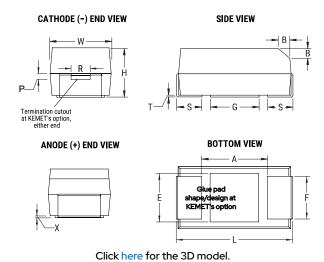


## T493C476K016BH6110

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 47 uF, 10%, 16 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 1.2 Ohms, 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                     | No   |
| Prop 65                  | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /   |
| SCIP Number              | 1dd2e1b8-26dd-4d52-927c-6f9<br>d519011aa   |
| Termination              | Tin Lead (SnPb)  |
| 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    |
| Е          | 2.4mm REF          |
| G          | 2.8mm REF          |
| Р          | 0.5mm MIN          |
| R          | 1mm REF            |
| X          | 0.1mm +/-0.1mm REF |

| Specifications          |                                |
|-------------------------|--------------------------------|
| Capacitance             | 47 uF                          |
| Tolerance               | 10%                            |
| Voltage DC              | 16 VDC (85C), 10.72 VDC (125C) |
| Temperature Range       | -55/+125°C                     |
| Rated Temperature       | 85°C                           |
| Dissipation Factor      | 6% 120Hz 25C                   |
| Failure Rate            | B (0.1%/1000 Hrs)              |
| ESR                     | 1.2 Ohms (100kHz 25C)          |
| Ripple Current          | 303 mA (rms, 100kHz 25C)       |
| Leakage Current         | 7.5 uA (5min 25°C)             |
| Testing and Reliability | Standard Testing Only          |

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

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