

## T493A684K035BC6110

T493 HRA, Tantalum, MnO2 Tantalum, HRA, .68 uF, 10%, 35 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 10 Ohms, 3216, Height Max = 1.8mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Click [here](#) for the 3D model.

### General Information

|                  |                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Series           | T493 HRA                                                                                                                        |
| Dielectric       | MnO2 Tantalum                                                                                                                   |
| Style            | SMD Chip                                                                                                                        |
| Description      | SMD, MnO2, Molded, High Reliability                                                                                             |
| Features         | High Reliability                                                                                                                |
| RoHS             | No                                                                                                                              |
| Prop 65          | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> .    |
| SCIP Number      | 652b281f-d242-4453-bc44-0655d646cec3                                                                                            |
| Termination      | Hot Solder Dipped                                                                                                               |
| AEC-Q200         | No                                                                                                                              |
| 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

|           |                 |
|-----------|-----------------|
| Footprint | 3216            |
| 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  |

### Specifications

|                         |                                |
|-------------------------|--------------------------------|
| Capacitance             | .68 uF                         |
| Capacitance Tolerance   | 10%                            |
| Voltage DC              | 35 VDC (85C), 23.45 VDC (125C) |
| Temperature Range       | -55/+125°C                     |
| Rated Temperature       | 85°C                           |
| Dissipation Factor      | 4% 120Hz 25C                   |
| Failure Rate            | B (0.1%/1000 Hrs)              |
| Resistance              | 10 Ohms (100kHz 25C)           |
| Ripple Current          | 87 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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