

## T497F685K025BH6110

T497 HRA, Tantalum, MnO<sub>2</sub> Tantalum, HRA, 6.8 uF, 10%, 25 VDC, SMD, MnO<sub>2</sub>, Molded, High Reliability, Medical, B (0.1%/1000 Hrs), 3 Ohms, 5634, 2.16 mm, 0.76 mm



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | T497 HRA  |
| Dielectric               | MnO <sub>2</sub> Tantalum   |
| Style                    | SMD Chip  |
| Description              | SMD, MnO <sub>2</sub> , Molded, High Reliability, Medical   |
| Features                 | High Reliability, Medical   |
| RoHS                     | No  |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>                    |
| SCIP Number              | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa  |
| Termination              | Tin Lead (SnPb)   |
| Qualifications           | CWR09/19/29 Style   |
| AEC-Q200                 | No  |
| Typical Component Weight | 173.63 mg   |
| Notes                    | Note: When solder coated terminations are required, add an additional 0.38mm (0.015inch) to the tolerances for "L", "W", "H", "K", "F" and "S". |
| MSL                      | 1   |

### Dimensions

|   |                      |
|---|----------------------|
| L | 5.59mm +/-0.38mm     |
| W | 3.43mm +/-0.38mm     |
| H | 1.78mm +/-0.38mm     |
| S | 0.76mm +0.25/-0.13mm |
| F | 3.3mm +/-0.13mm      |
| K | 1.02mm MIN           |
| P | 0.51mm MIN           |

### Packaging Specifications

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

### Specifications

|                         |                                  |
|-------------------------|----------------------------------|
| Capacitance             | 6.8 uF                           |
| Tolerance               | 10%                              |
| Voltage DC              | 25 VDC (85C), 16.75 VDC (125C)   |
| Temperature Range       | -55/+125°C                       |
| Rated Temperature       | 85°C                             |
| Humidity                | 85C, 85% RH, 1000 Hours, No Load |
| Dissipation Factor      | 6% 120Hz 25C                     |
| Failure Rate            | B (0.1%/1000 Hrs)                |
| ESR                     | 3 Ohms (100kHz 25C)              |
| Ripple Current          | 183 mA (rms, 100kHz 25C)         |
| Leakage Current         | 1.7 uA (5min 25°C)               |
| Testing and Reliability | Standard Testing Only            |

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