

## T497C105K025BH6210

T497 HRA, Tantalum, MnO<sub>2</sub> Tantalum, HRA, 1 uF, 10%, 25 VDC, SMD, MnO<sub>2</sub>, Molded, High Reliability, Medical, B (0.1%/1000 Hrs), 6.5 Ohms, 5113, 1.65 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	146.5 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	5.08mm +/-0.38mm
W	1.27mm +/-0.38mm
H	1.27mm +/-0.38mm
S	0.76mm +0.25/-0.13mm
F	1.27mm +/-0.13mm
K	0.76mm MIN
P	0.38mm MIN

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2500

### Specifications

Capacitance	1 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	6.5 Ohms (100kHz 25C)
Ripple Current	42 mA (rms, 100kHz 25C)
Leakage Current	0.5 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Current Testing At +25C

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