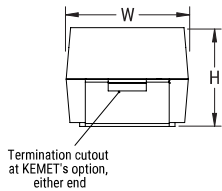


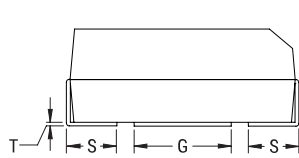
T491S105K025AT

T491, Tantalum, MnO₂ Tantalum, 1 uF, 10%, 25 VDC, SMD, MnO₂, Molded, Low Profile, 18 Ohms, 1.2 mm, 1206 / 3216

CATHODE (-) END VIEW



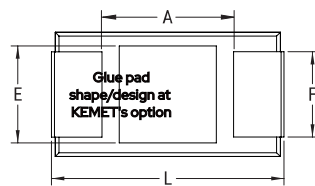
SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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

General Information

Series	T491
Dielectric	MnO ₂ Tantalum
Style	SMD Chip
Description	SMD, MnO ₂ , Molded, Low Profile
RoHS	Yes
Termination	Tin
Typical Component Weight	41.42 mg
Shelf Life	156 Weeks
MSL	1

Dimensions

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	1.1mm +/-0.1mm
T	0.13mm REF
S	0.8mm +0.2/-0.3mm
F	1.2mm +/-0.1mm
A	1.2mm MIN
E	1.3mm REF
G	1.1mm REF
X	0.1mm REF

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
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	18 Ohms (100kHz 25C)
Ripple Current	58 mA (rms, 100kHz 25C), 52.2 mA (rms, 85C), 23.2 mA (rms, 125C)
Leakage Current	0.5 uA (5min 25°C)

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.