

# T541X158K003BT8605

T541 HRA, Tantalum, Polymer Tantalum, HRA Multi-Anode, 1,500 uF, 10%, 3 VDC, SMD, Polymer, Molded, High Reliability, Multi-Anode, Low ESR, B (0.1%/1000 Hrs), 12 mOhms, 4.3 mm, 2817 / 7343



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

## General Information

Series	T541 HRA
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, High Reliability, Multi-Anode, Low ESR
Features	Non-Combustible, Multiple Anode, Low ESR, High Reliability
RoHS	Yes
Termination	Tin
Typical Component Weight	410.89 mg
Shelf Life	52 Weeks
MSL	3

## Specifications

Capacitance	1,500 uF
Tolerance	10%
Voltage DC	3 VDC (105C), 2.01VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	105°C
Life	2000 Hrs (125C)
Humidity	85C, 85% RH, 1000 Hours, rated voltage
Dissipation Factor	10% 120Hz 25C
Failure Rate	B (0.1%/1000 Hrs)
ESR	12 mOhms (100kHz 25C)
Ripple Current	4743 mA (rms, 100kHz 45C)
Leakage Current	450 uA (5min 25°C)
Testing and Reliability	10 Cycles At 25C +/-5C & Improved Humidity Capability

## Dimensions

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	4mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
B	0.5mm +/-0.15mm
E	3.5mm REF
G	3.5mm REF
P	1.7mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

## Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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.