

# T540D476M020BT8705

T540 HRA, Tantalum, Polymer Tantalum, HRA, 47 uF, 20%, 20 VDC, SMD, Polymer, Molded, High Reliability, B (0.1%/1000 Hrs), 100 mOhms, 3.1 mm, 2817 / 7343



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

## General Information

Series	T540 HRA
Dielectric	Polymer Tantalum
Style	SMD Chip
Description	SMD, Polymer, Molded, High Reliability
Features	Non-Combustible, Low ESR, High Reliability
RoHS	Yes
Termination	Tin
Typical Component Weight	352.36 mg
Shelf Life	52 Weeks
MSL	3

## Specifications

Capacitance	47 uF
Tolerance	20%
Voltage DC	20 VDC (105C), 13.4 VDC (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	100 mOhms (100kHz 25C)
Ripple Current	1500 mA (rms, 100kHz 45C)
Leakage Current	94 uA (5min 25°C)
Testing and Reliability	10 Cycles At -55C +0C/-5C and 85C +/-5C & Improved Humidity Capability

## Dimensions

L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	2.8mm +/-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	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

## Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

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