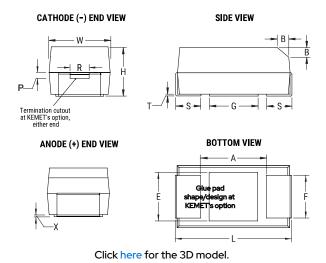


T540D156M035AH8510

T540 HRA, Tantalum, Polymer Tantalum, HRA, 15 uF, 20%, 35 VDC, SMD, Polymer, Molded, High Reliability, N/A, 100 mOhms, 7343, 3.1 mm, 1.3 mm





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	No
Prop 65	WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/
SCIP Number	b064b03e-bd75-42af-b342-1fe 94dec2340
Termination	Tin Lead (SnPb)
AEC-Q200	No
Typical Component Weight	352.36 mg
Shelf Life	52 Weeks
MSL	3

Dimensions	
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
Н	2.8mm +/-0.3mm
Т	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
В	0.5mm +/-0.15mm
Е	3.5mm REF
G	3.5mm REF
Р	0.9mm REF
R	1mm REF
х	0.1mm +/-0.1mm REF

T&R, 178mm

500

Packaging Specifications

Packaging Quantity

Packaging

Specifications	
Capacitance	15 uF
Tolerance	20%
Voltage DC	35 VDC (105C), 23.45 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	N/A
ESR	100 mOhms (100kHz 25C)
Ripple Current	1500 mA (rms, 100kHz 45C)
Leakage Current	53 uA (5min 25°C)
Testing and Reliability	4 Cycles At 25C +/-5C & Improved Humidity Capability

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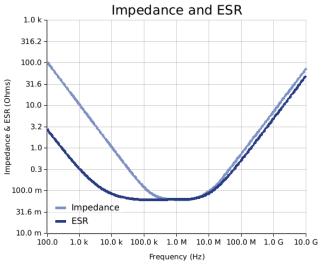


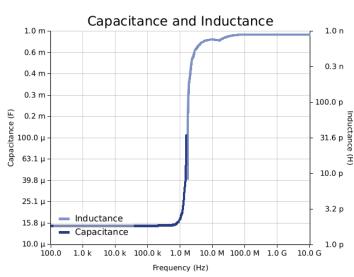


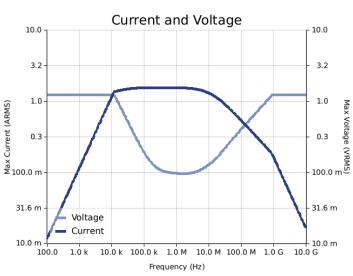
T540 HRA, Tantalum, Polymer Tantalum, HRA, 15 uF, 20%, 35 VDC, SMD, Polymer, Molded, High Reliability, N/A, 100 mOhms, 7343, 3.1 mm, 1.3 mm

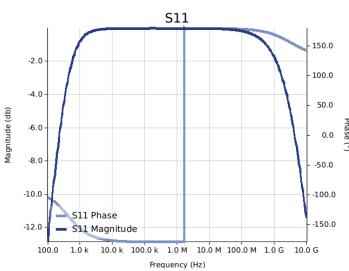
Simulations

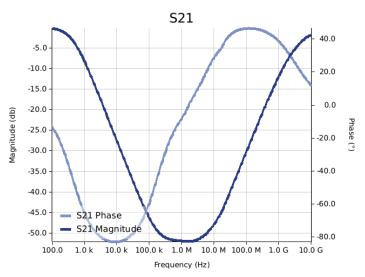
For the complete simulation environment please visit K-SIM.











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T540D156M035AH8510

T540 HRA, Tantalum, Polymer Tantalum, HRA, 15 uF, 20%, 35 VDC, SMD, Polymer, Molded, High Reliability, N/A, 100 mOhms, 7343, 3.1 mm, 1.3 mm

These are simulations.

This is not a specification!

The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

The responses shown do not represent a specified or implied maximum capability of the device for all applications.

- The ESR used for ripple "Ripple Current/Voltage vs. Frequency" plots is the ESR at ambient temperature.

- The ESR in the "Temperature Rise vs. Ripple Current" plots is adjusted to each incremental temperature rise before the power and ripple current is calculated. The effects shown herein are based on measured data from a multiple part sample of the parts in question.

 Ripple capability of this device will be factored by thermal resistance (Rth) created by circuit traces (addi affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

 The peak voltages generated in the "Temperature Rise vs. Combined Ripple Currents" plot are calculated for each frequency and are not combined with voltages
- generated at any other harmonics.

 Please consult with the catalog or field applications engineer for maximum capability of the device in specific applications.

All product information and data (collectively, the "Information") are subject to change without notice.

KEMET K-SIM is designed to simulate behavior of components with respect to frequency, ambient temperature, and DC bias levels. The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation effects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

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If you have any questions please contact K-SIM.

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