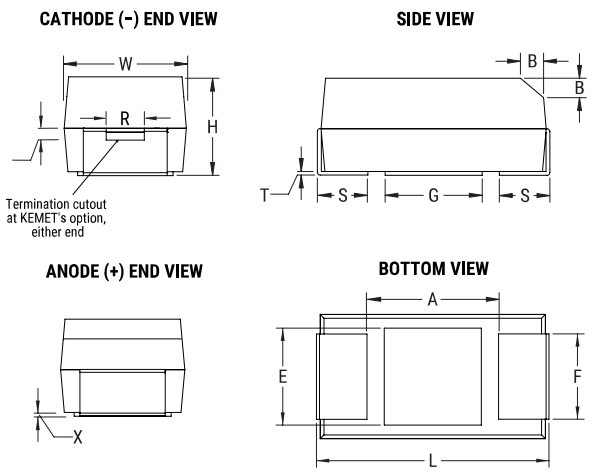
T494C226M016AT

T494, Tantalum, MnO2 Tantalum, Commercial Grade, 22 uF, 20%, 16 VDC, SMD, MnO2, Molded, Low ESR, 350 mOhms, 2.8 mm, 2312 / 6032



Click here for the 3D model.

General Information	
类别	T494
电介质	MnO2 Tantalum
样式	SMD Chip
描述	SMD, MnO2, Molded, Low ESR
特征	Low ESR
RoHS	Yes
端子	Tin
典型元件重量	224.48 mg
保质期	156 Weeks
MSL	1

Dimensions	
L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	2.9mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm REF

Specifications	
容值	22 uF
容差	20%
直流电压	16 VDC (85C), 10.72 VDC (125C)
温度范围	-55/+125°C
额定温度	85°C
损耗因数	6% 120Hz 25C
故障率	N/A
等效串联电阻 (ESR)	0.35 Ohms (100kHz 25C)
纹波电流	561 mA (rms, 100kHz 25C), 504.9 mA (rms, 85C), 224.4 mA (rms, 125C)
漏电流	3.5 uA (5min 25°C)

Packaging Specifications	
包装	T&R, 178mm
包装数量	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.

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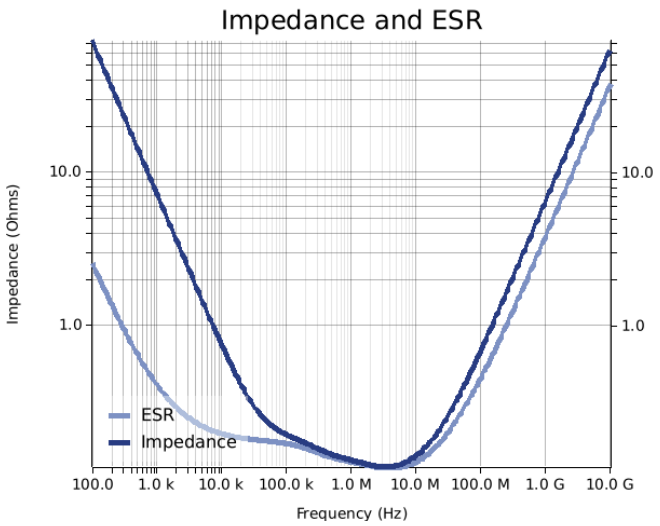
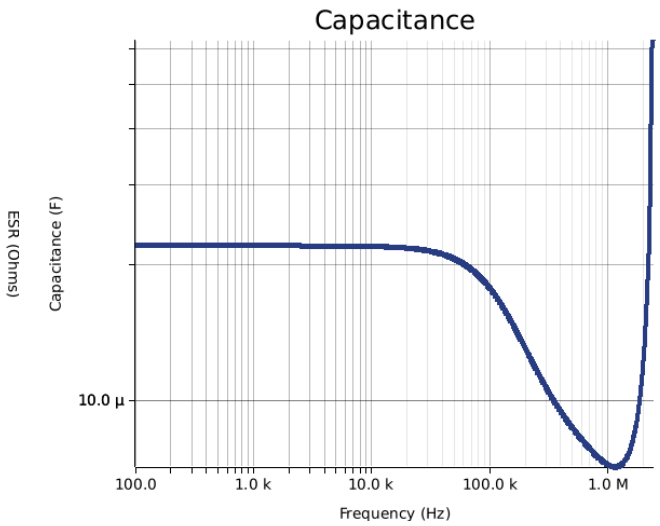
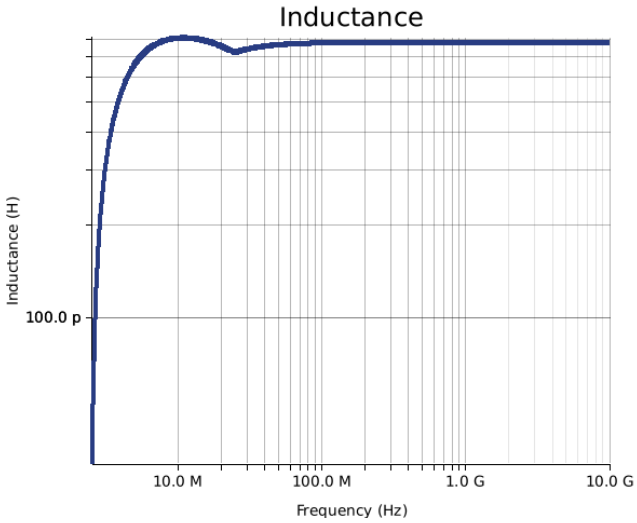
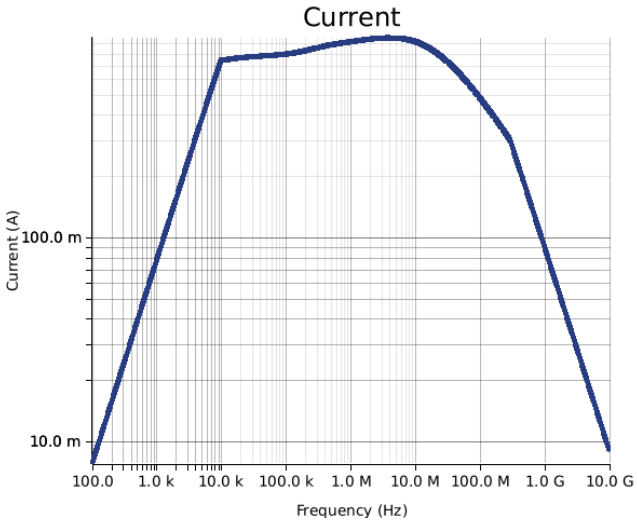
Simulations

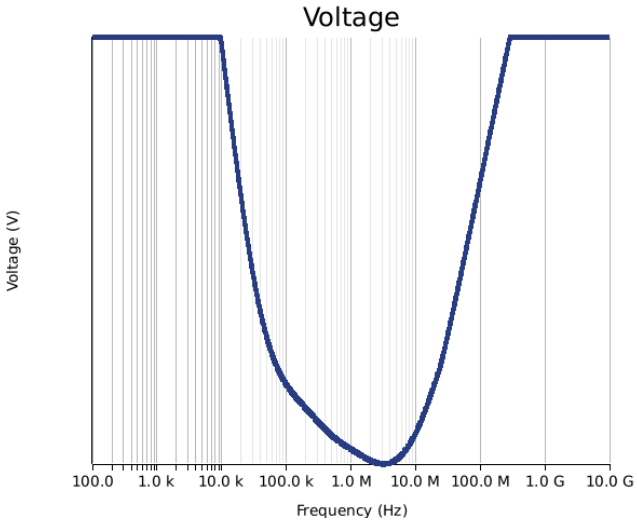
For the complete simulation environment please visit K-SIM.

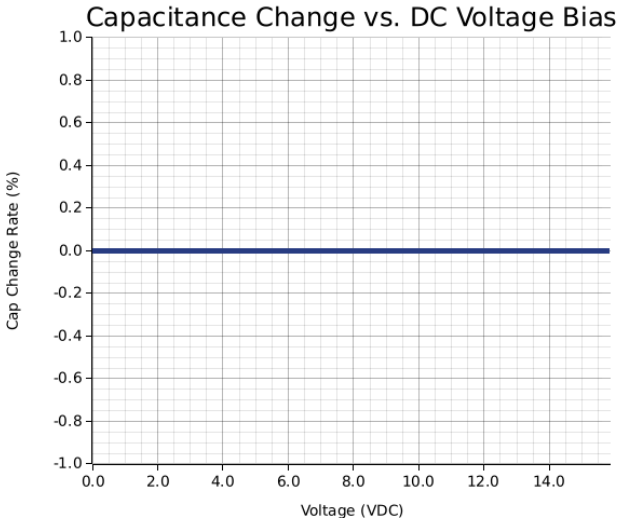












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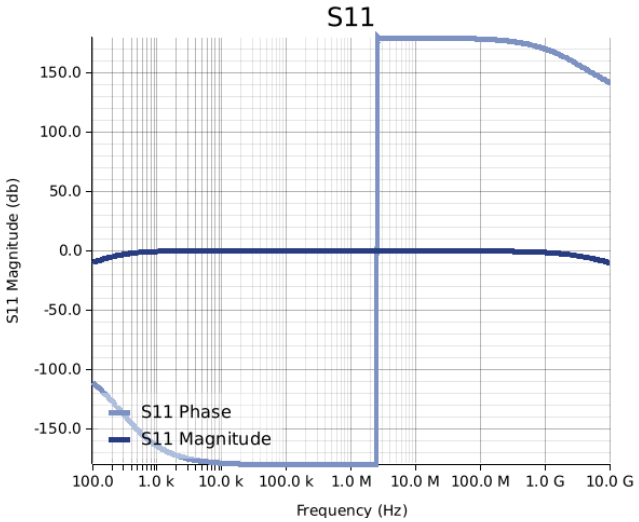

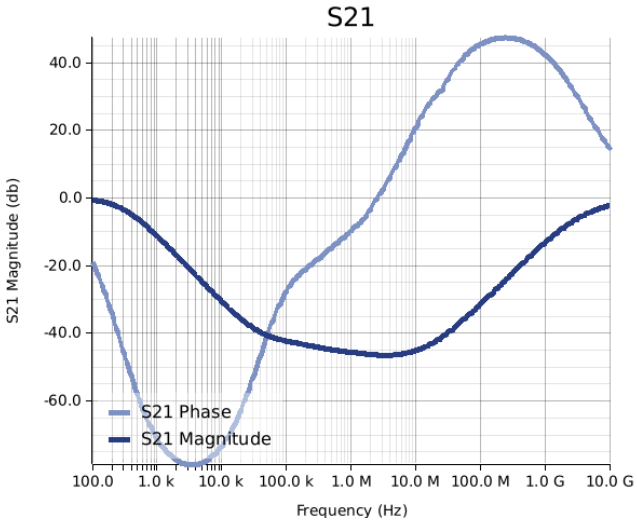

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These are simulations.
This is not a specification!

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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