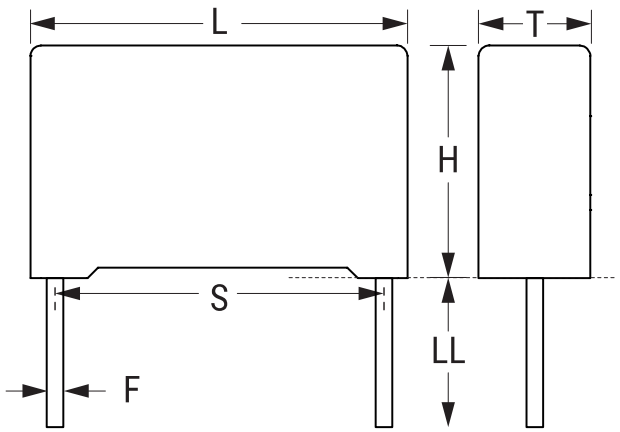
R413F147050M1M

Aliases (413F147050M1M)

R41, Film, Metallized Polypropylene, Safety, 4,700 pF, 20%, 1,000 VDC, 300 VAC (X1), 300 VAC (Y2), 110°C, 10 mm



Click here for the 3D model.

General Information	
类别	R41
电介质	Metallized Polypropylene
样式	Radial
特征	Automotive Grade, EMI Safety
RoHS	Yes
端子	Tinned Wire
引线	Wire Leads
安全等级	X1/Y2
认证	ENEC, UL, cUL, CQC
AEC-Q200	Yes
典型元件重量	1.018 g

Dimensions	
L	13mm +0.3/-0.5mm
H	11mm +0.1/-0.5mm
T	5mm +0.2/-0.5mm
S	10mm +/-0.4mm
LL	25mm +2/-1mm
F	0.6mm +/-0.05mm

Packaging Specifications	
包装	Bulk, Bag
包装数量	1500

Specifications	
容值	4,700 pF
容差	20%
直流电压	1000 VDC
AC 电压	300 VAC (X1), 300 VAC (Y2)
温度范围	-40/+110°C
额定温度	110°C
损耗因数	0.3% 1kHz
绝缘阻抗	100 GOhms
最大 dV/dt	800 V/us

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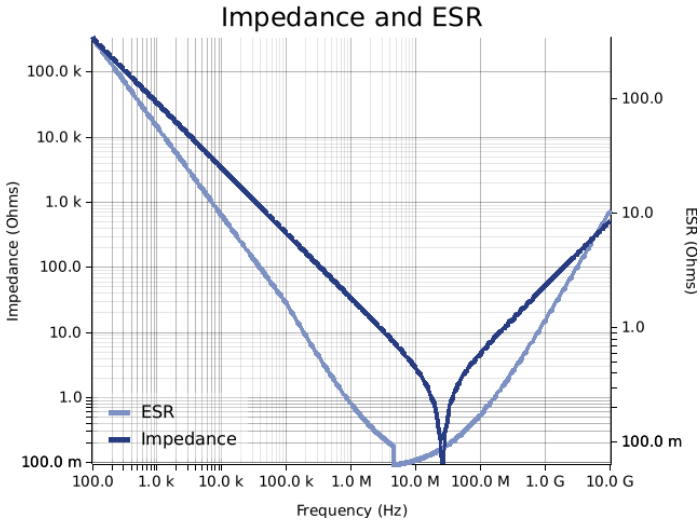
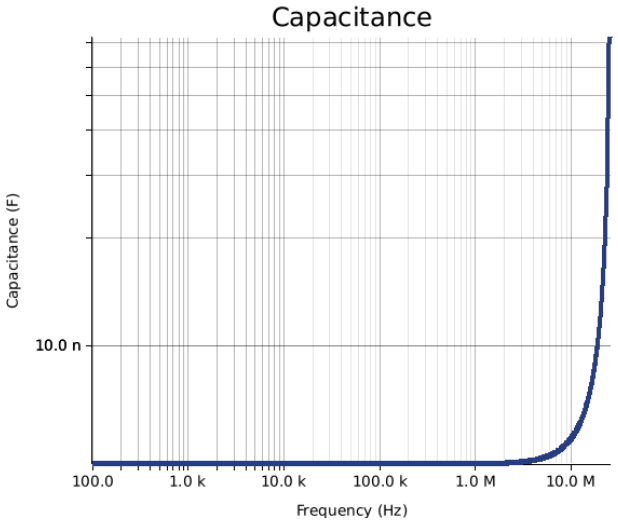
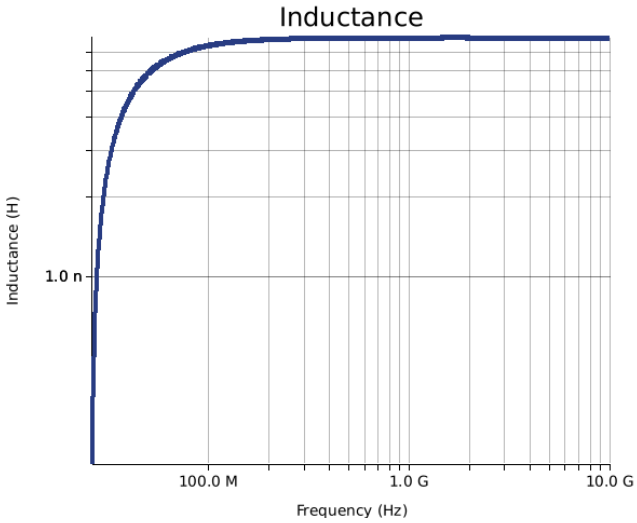
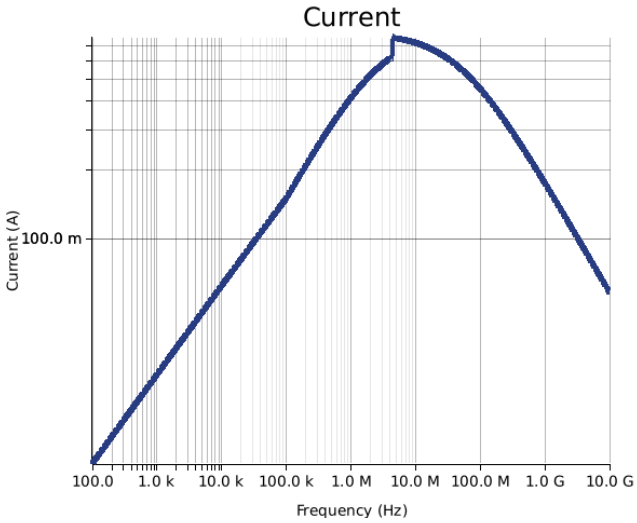
Simulations

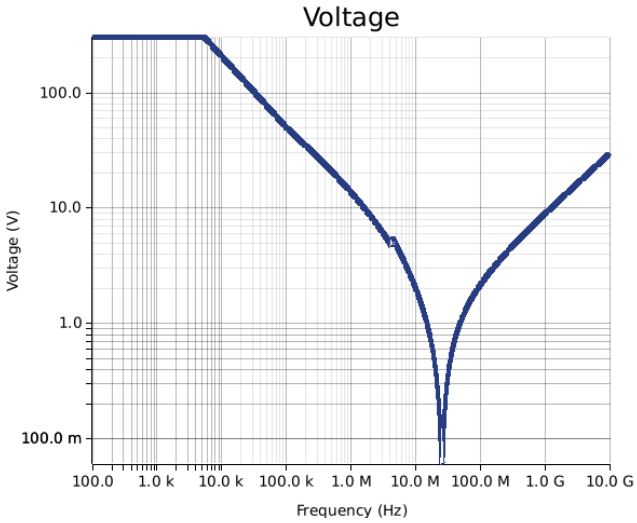
For the complete simulation environment please visit K-SIM.

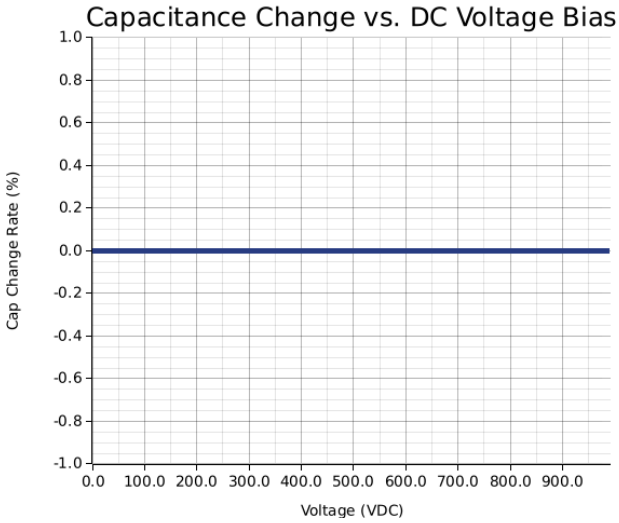












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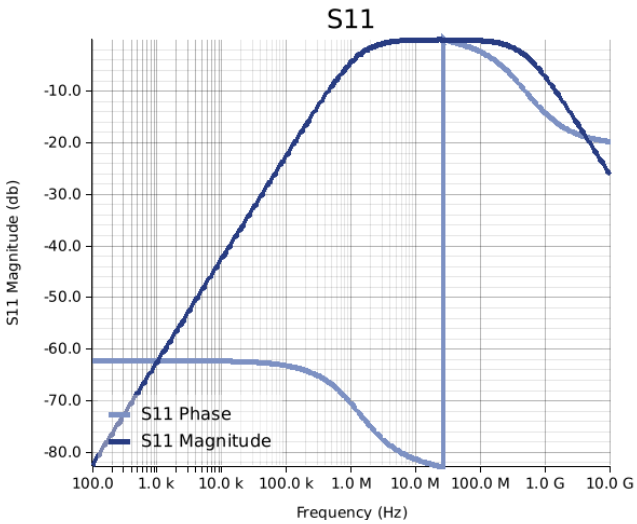

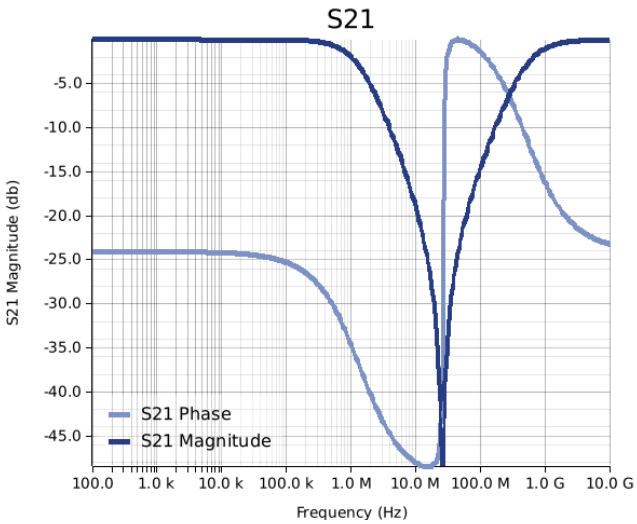

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These are simulations.
This is not a specification!

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.