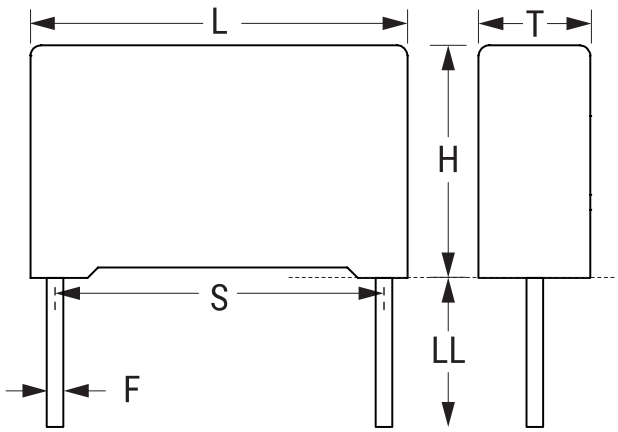
R46KI347000N0M

Aliases (46KI347000N0M)

R46 275 VAC, Film, Metallized Polypropylene, Safety, 0.47 uF, 20%, 560 VDC, 275 VAC (X2), 110°C, 15 mm



Click here for the 3D model.

General Information	
Series	R46 275 VAC
Dielectric	Metallized Polypropylene
Style	Radial
Features	EMI Safety
RoHS	Yes
Termination	Cut (Tinned Wire)
Lead	Cut
Safety Class	X2
Qualifications	ENEC, UL, cUL, CQC
Typical Component Weight	3.7 g
Notes	We Recommended To Use R46 @ 310 VAC.

Dimensions	
L	18mm +/-0.5mm
H	16mm +0.1/-0.5mm
T	10mm +0.2/-0.5mm
S	15mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

Packaging Specifications	
Packaging	Bulk, Bag
Packaging Quantity	750

Specifications	
Capacitance	0.47 uF
Tolerance	20%
Voltage DC	560 VDC
Voltage AC	275 VAC (X2)
Temperature Range	-40/+110°C
Rated Temperature	110°C
Dissipation Factor	0.1% 1kHz
Insulation Resistance	63.8298 GOhms
Max dV/dt	400 V/us

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.

© 2006 - 2026 YAGEO

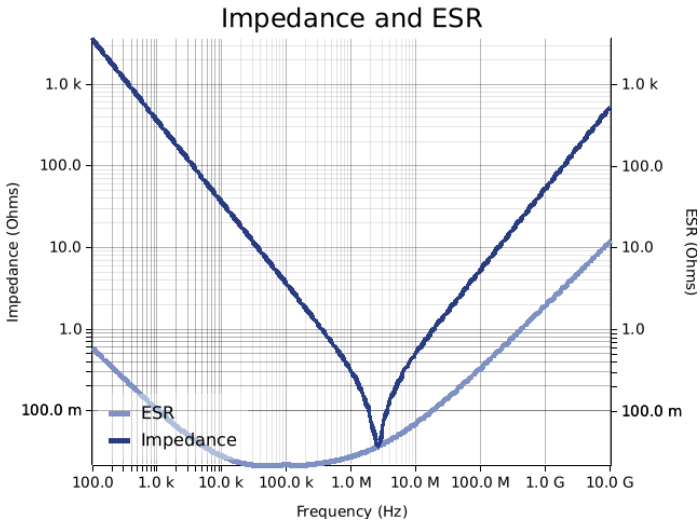
R46KI347000N0M

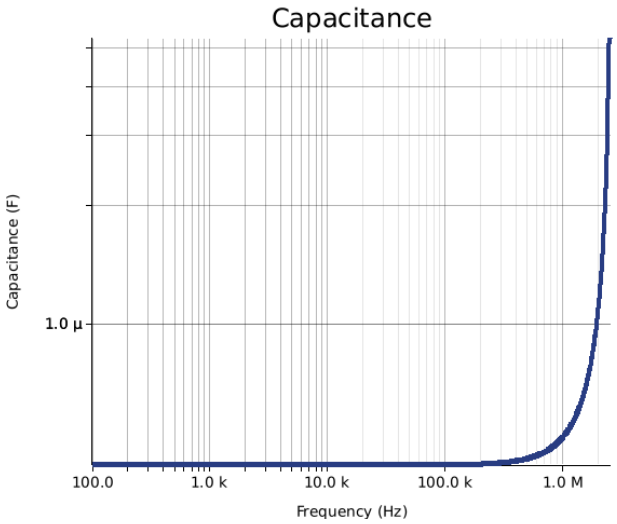
Aliases (46KI347000N0M)

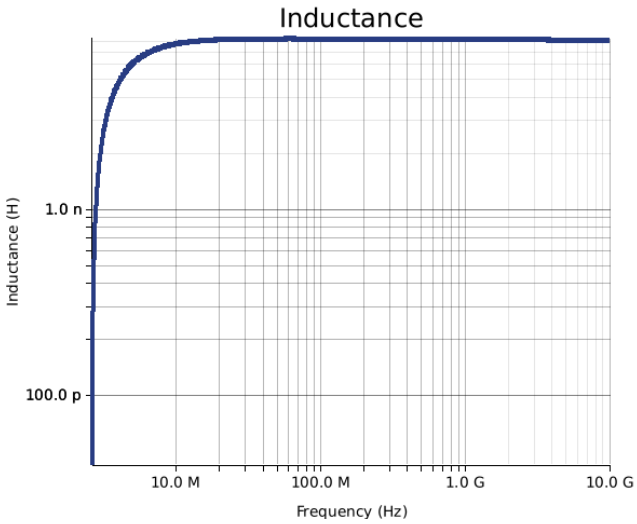
R46 275 VAC, Film, Metallized Polypropylene, Safety, 0.47 uF, 20%, 560 VDC, 275 VAC (X2), 110°C, 15 mm

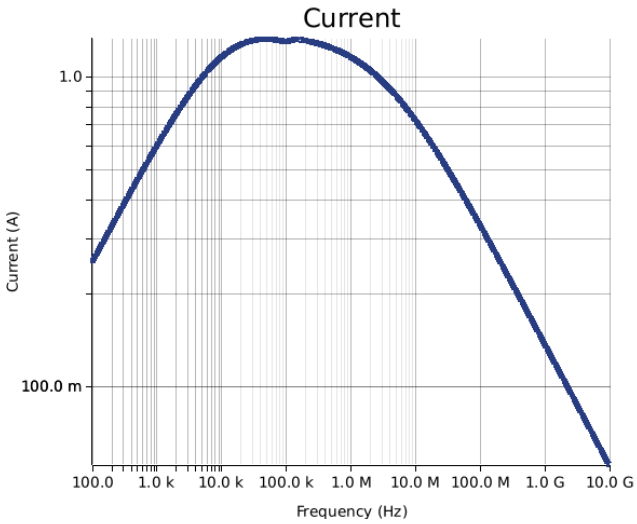
Simulations

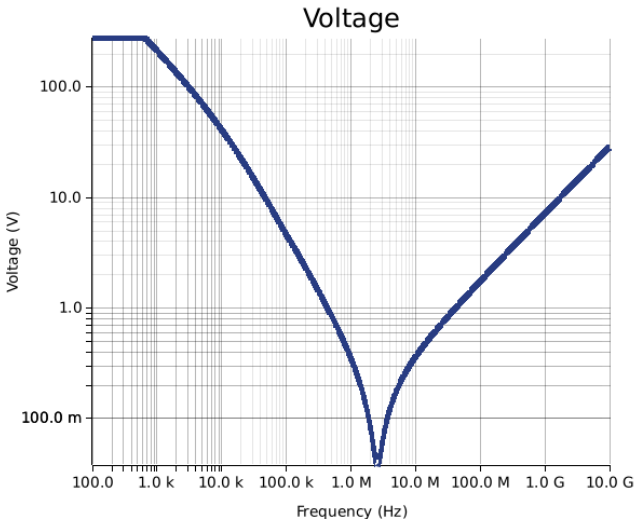
For the complete simulation environment please visit Y-SIM.

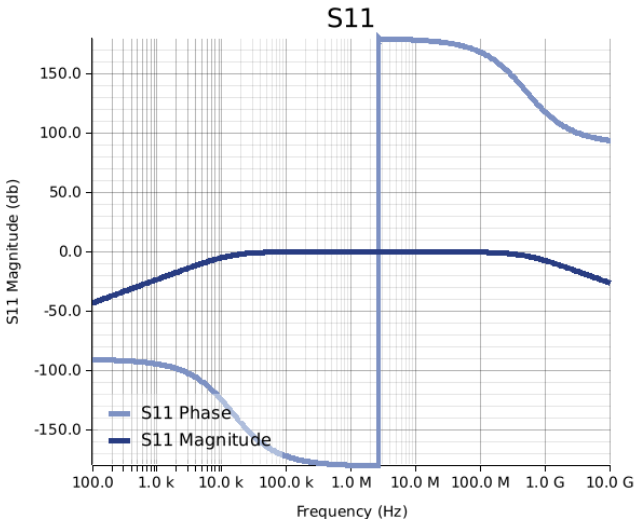










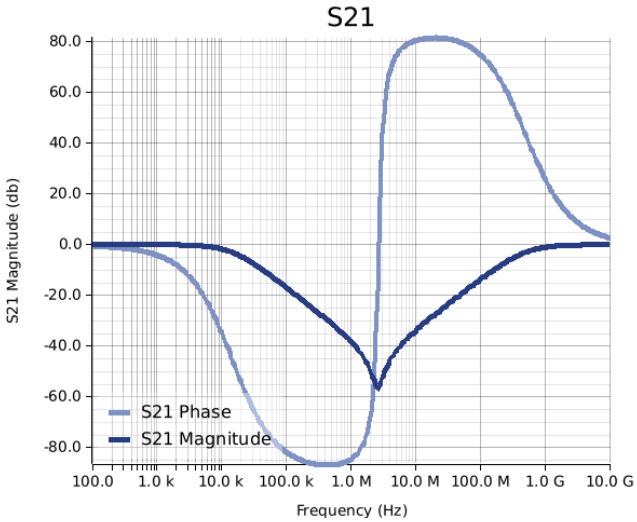


© 2006 - 2026 YAGEO

R46KI347000N0M

Aliases (46KI347000N0M)

R46 275 VAC, Film, Metallized Polypropylene, Safety, 0.47 uF, 20%, 560 VDC, 275 VAC (X2), 110°C, 15 mm



© 2006 - 2026 YAGEO

R46KI347000N0M

Aliases (46KI347000N0M)

R46 275 VAC, Film, Metallized Polypropylene, Safety, 0.47 uF, 20%, 560 VDC, 275 VAC (X2), 110°C, 15 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.

All Information given herein is believed to be accurate and reliable, but is presented without guarantee, warranty, or responsibility of any kind, expressed or implied. 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.

If you have any questions please contact K-SIM.

© 2006 - 2026 YAGEO