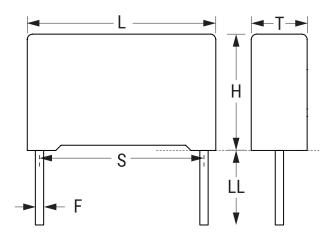


R76QR3150SE30J

General Information

Aliases (76QR3150SE30J) R76, Film, Double Metallized Polypropylene, General Purpose, 0.15 uF, 5%, 1,000 VDC, 85°C, 27.5 mm



Click here for the 3D model.

R76 Series Dielectric Double Metallized Polypropylene Style Radial Pulse Features RoHS Yes Cut (Tinned Wire) Termination Lead Cut AEC-Q200 No **Typical Component Weight** 7.7 g

		Specifications
	32mm +0.3/-0.7mm	Capacitance
	20mm +0.1/-0.7mm	Tolerance
	11mm +0.2/-0.7mm	Voltage DC
	27.5mm +/-0.4mm	Voltage AC
	4mm +2mm	Temperature Range
	0.8mm +/-0.05mm	Rated Temperature
		Dissipation Factor
cifications		Insulation Resistance
	Trav	

F	0.8mm +/-0.05mm
Packaging Specifications	
Packaging	Tray
Packaging Quantity	560

Specifications			
Capacitance	0.15 uF		
Tolerance	5%		
Voltage DC	1000 VDC		
Voltage AC	600 VAC		
Temperature Range	-55/+110°C		
Rated Temperature	85°C		
Dissipation Factor	0.03% 1kHz, 0.06% 10kHz		
Insulation Resistance	100 GOhms		
Max dV/dt	1,000 V/us		
ESR	15.92 mOhms (100kHz)		
Ripple Current	6.3 Amps (100kHz 85C), 150 Amps (Peak)		
Inductance	18 nH		

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.

Dimensions

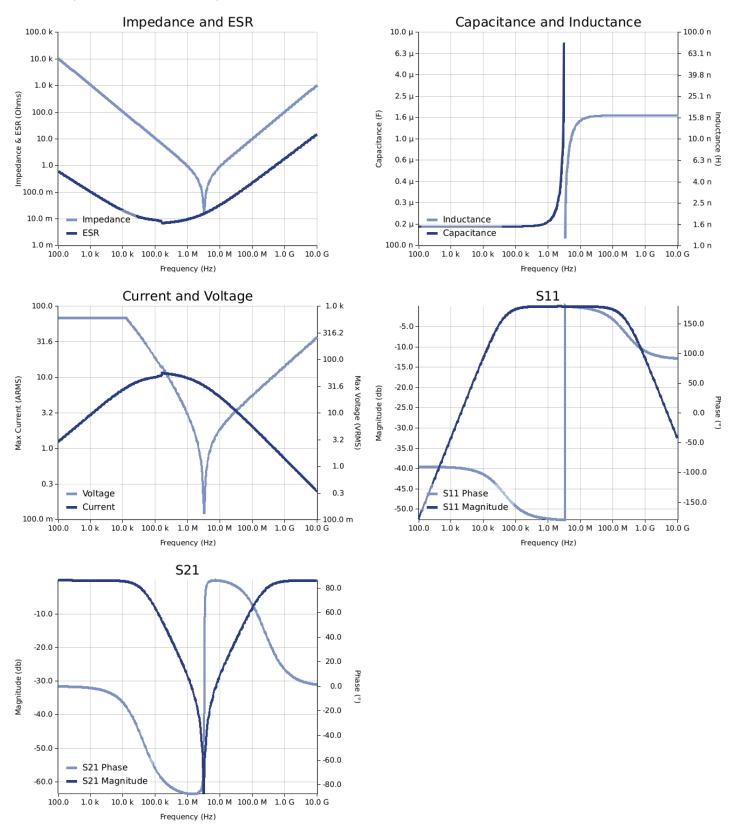
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Simulations

For the complete simulation environment please visit K-SIM.





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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 used for hipple klipple current younge vs. requericy plots is the ESR at an bient 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 and the part of the parts of the part of the
- 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.