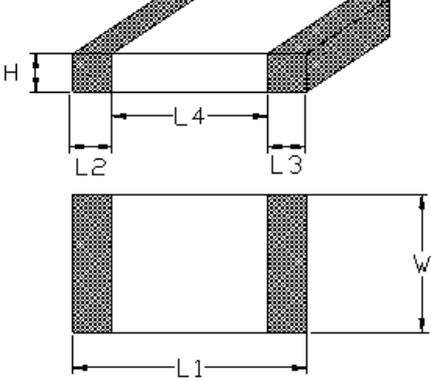


# Multilayer Ceramic Chip Capacitor

<b>Part Number : 1812J2K00472KJT</b>	<b>Description : 1812 2000V 4.7nF ±10% X7R (2R1)</b>
<p>A range of ceramic multi-layer capacitors for a variety of demanding applications including power supplies and LED lighting. This X7R range is manufactured to exacting standards using our unique screen printing process. This provides a high quality component suitable for demanding applications.</p>	

### Mechanical Specification

Syfer Size Code	1812
Length (L1) mm	4.5 ± 0.35
Width (W) mm	3.2 ± 0.3
Thickness (H) mm	2.5 Max.
Termination Bands (L2,L3) mm	0.25 - 1.0
Minimum Band Gap (L4) mm	2.15
Termination Material	100% Matte Sn over Ni, Ag Base
Solderability	IEC 60068-2-58
RoHS Compliant to 2011/65/EC	Yes
REACH Compliant	Yes
Packaging	Taped and Reeled, 7 inch Reel

### General Electric Specifications

Rated Voltage	2000V	
Nominal Capacitance Value	4.7nF	
Capacitance Tolerance	±10%	
Tangent of Loss Angle (Tan δ)	≤0.025	
Capacitance and Tan δ Test Conditions	1Vrms @ 1kHz	
Voltage Proof (Voltage applied for 5 secs max. @ 50mA max. charge current)	1.2 x Rated Voltage	
Min Insulation Resistance (IR)	100 GΩ	
Dielectric Classification	X7R (2R1)	
Rated Temperature Range	-55°C - +125°C	
Maximum Capacitance Change over Temperature Range	No DC Voltage	±15%
	Rated DC Voltage	-
Climatic Category (IEC)	55/125/56	
Ageing Characteristic	Less than 2% per time decade	

<p>Knowles (UK) Ltd., Hethel Engineering Centre, Chapman Way, Hethel, Norwich, Norfolk, NR14 8FB Tel: +44 1603 723300 Email: syfersales@knowles.com Web: <a href="http://www.syfer.com">http://www.syfer.com</a></p>	<p>© This datasheet is for a standard item and is confirmed valid on the date generated, the latest published data for this part may differ and is available at <a href="http://www.syfer.com">http://www.syfer.com</a> or by contacting us at <a href="mailto:syfersales@knowles.com">syfersales@knowles.com</a></p> <p>The information contained on this drawing is confidential and may not be copied in whole or part in any form or disclosed to a third party without the consent of Knowles (UK) Ltd. and any customer mentioned within this specification.</p>	<p>Date: 11 January 2017</p>
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