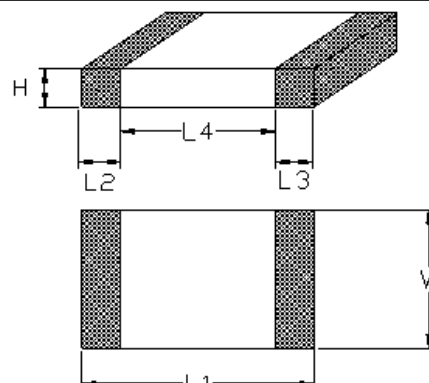


Multilayer Ceramic Chip Capacitor

Part Number : 3640Y5000124KXR		Description : 3640 500V 120nF ±10% X7R (2R1)	
<p>Knowles (UK) Ltd. offers Multilayer Ceramic Chip Capacitors of the highest quality and reliability for a range of demanding applications. Manufactured using our "Wet Process", the range encompasses 10V to 12kV capability, with a variety of termination options including FlexiCap™, the worlds first commercially available flexible termination.</p>			
Mechanical Specification			
Syfer Size Code		3640	
Length (L1) mm		9.2 ± 0.5	
Width (W) mm		10.16 ± 0.5	
Thickness (H) mm		2.5 Max.	
Termination Bands (L2,L3) mm		0.5 - 1.5	
Minimum Band Gap (L4) mm		5.7	
Termination Material		100% Matte Sn over Ni, FlexiCap™ base	
Solderability		IEC 60068-2-58	
RoHS Compliant to 2011/65/EC as amended by 2015/863/EU		Yes	
REACH Compliant		Yes	
Packaging		Taped and Reeled, 13 inch Reel	
General Electric Specifications			
Rated Voltage		500V	
Nominal Capacitance Value		120nF	
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)		1.5 x Rated Voltage	
Min Insulation Resistance (IR)		8.33 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: http://www.syfer.com</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 http://www.syfer.com or by contacting us at syfersales@knowles.com	
		<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>	
		Date: 14 March 2017	

