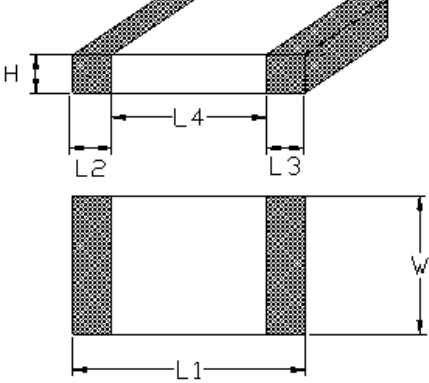


# Multilayer Ceramic Chip Capacitor

<b>Part Number : 0805Y0500104KXTM01</b>	<b>Description : 0805 50V 100nF ±10% X7R (2R1)</b>
<p>Syfer Technology 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	0805
Length (L1) mm	2.0 ± 0.3
Width (W) mm	1.25 ± 0.2
Thickness (H) mm	1.3 Max.
Termination Bands (L2,L3) mm	0.13 - 0.75
Minimum Band Gap (L4) mm	0.2
Termination Material	100% Matte Sn over Ni, FlexiCap™ 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	50V	
Nominal Capacitance Value	100nF	
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)	2.5 x Rated Voltage	
Min Insulation Resistance (IR)	10 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., Old Stoke Road, Arminghall, Norwich, NR14 8SQ Tel: +44 1603 723300 Email: syfersales@knowles.com Web: http://www.syfer.com</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 Syfer Technology Ltd. and any customer mentioned within this specification.</p>	<p>Date: 25 April 2016</p>
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