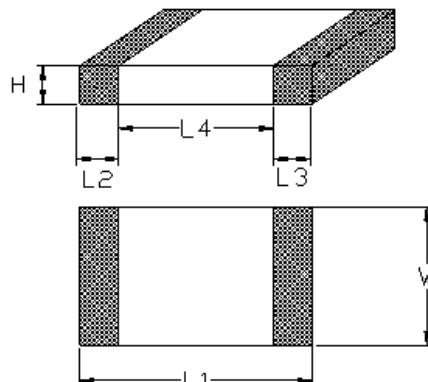


Multilayer Ceramic Chip Capacitor

Part Number : 0603Y0250683JXT	Description : 0603 25V 68nF ±5% X7R (2R1)				
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.					
Mechanical Specification					
Syfer Size Code	0603				
Length (L1) mm	1.6 ± 0.2				
Width (W) mm	0.8 ± 0.2				
Thickness (H) mm	0.8 Max.				
Termination Bands (L2,L3) mm	0.1 - 0.4				
Minimum Band Gap (L4) mm	0.6				
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	No				
REACH Compliant	Yes				
Packaging	Taped and Reeled, 7 inch Reel				
General Electric Specifications					
Rated Voltage	25V				
Nominal Capacitance Value	68nF				
Capacitance Tolerance	±5%				
Tangent of Loss Angle (Tan δ)	≤0.025				
Capacitance and Tan δ Test Conditions	0.5Vrms @ 1kHz				
Voltage Proof (Voltage applied for 5 secs max. @ 50mA max. charge current)	2.5 x Rated Voltage				
Min Insulation Resistance (IR)	14.71 GΩ				
Dielectric Classification	X7R (2R1)				
Rated Temperature Range	-55°C - +125°C				
Maximum Capacitance Change over Temperature Range	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">No DC Voltage</td><td style="width: 50%;">±15%</td></tr> <tr> <td>Rated DC Voltage</td><td>-</td></tr> </table>	No DC Voltage	±15%	Rated DC Voltage	-
No DC Voltage	±15%				
Rated DC Voltage	-				
Climatic Category (IEC)	55/125/56				
Ageing Characteristic	Less than 2% per time decade				
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	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				
	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.				
Date: 13 March 2017					

