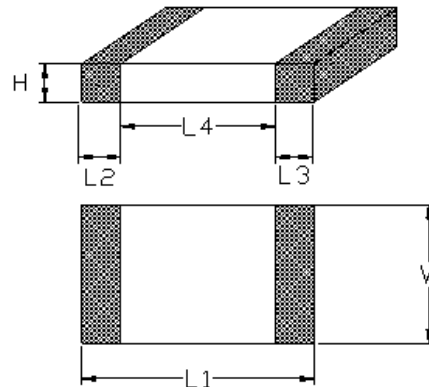


Multilayer Ceramic Chip Capacitor

Part Number : 0603Y0250683JXT

Description : 0603 25V 68nF $\pm 5\%$ 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 \pm 0.2
Width (W) mm	0.8 \pm 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	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

