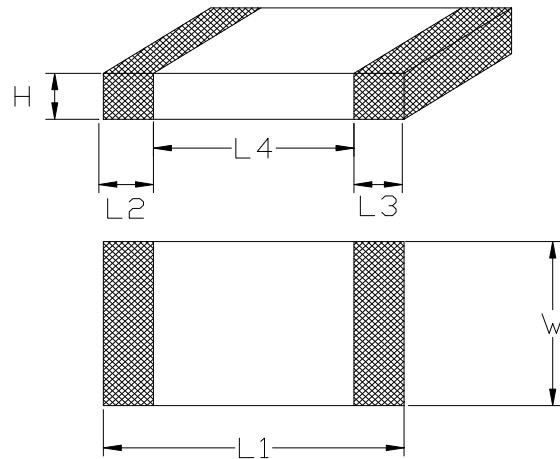


Multilayer Ceramic Chip Capacitor

1206J1K00103KJT

This range of multi-layer ceramic capacitors is suitable for a variety of applications including : commercial (such as power supplies, DC-DC converters, LED lighting) military, industrial, automotive and aerospace. These X7R and C0G ranges are manufactured to exacting standards using our unique screen printing process. This provides a high quality component suitable for demanding applications.




Mechanical Specification

Size Code	1206
Length (L1) mm	3.2 ± 0.3
Width (W) mm	1.6 ± 0.2
Thickness (H) mm	1.6 Max.
Termination Bands (L2,L3) mm	0.25 - 0.75
Minimum Band Gap (L4) mm	1.4
Termination Material	100% Matte Sn over Ni
Solderability	IEC 60068-2-58
RoHS Compliant	2011/65/EU
Packaging	Taped and Reeled, 7 inch Reel

General Electrical Specification

Rated Voltage	1000V
Nominal Capacitance Value	10nF
Capacitance Tolerance	± 10%
Tangent of Loss Angle (Tan δ)	≤0.025
Capacitance and Tan δ Test Conditions	1Vrms @ 1kHz
Voltage Proof	1.2 x Rated Voltage
(Voltage applied for 5 secs max. @ 50mA max. charge current)	
Min Insulation Resistance (IR)	100.00GΩ
Dielectric Classification	X7R (2R1)
Rated Temperature Range	-55°C to +125°C
Maximum Capacitance Change over Temperature Range	No DC Voltage ±15%
Climatic Category (IEC)	Rated DC Voltage -
Ageing Characteristic	55/125/56 Typically <2% per time decade

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 www.knowlesc capacitors.com/syfer or by contacting us at syfersales@knowles.com.

Knowles UK Ltd., Hethel Engineering Centre Chapman Way, Hethel Norwich, NR14 8FB 	Description:- 1206 1000V 10nF ± 10% X7R (2R1)	Name: J So
	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, and any customer mentioned within this specification.	Date: 07 August 2016 Filename: 1206J1K00103KJT-008.pdf