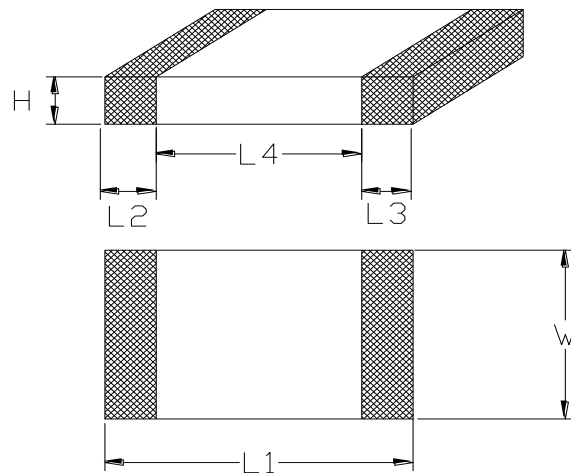


Knowles offers Multilayer Ceramic Chip Capacitors of the highest quality and reliability for a range of demanding applications. Manufactured using our "Wet Process", the range encompasses 10V to 12kV capability, with a variety of termination options including FlexiCap™, the worlds first commercially available flexible termination.




### Mechanical Specification

Size Code	2220
Length (L1) mm	5.7 ± 0.4
Width (W) mm	5.0 ± 0.4
Thickness (H) mm	2.5 Max.
Termination Bands (L2,L3) mm	0.25 - 1.0
Minimum Band Gap (L4) mm	3.3
Termination Material	100% Matte Sn over Ni
Solderability	IEC 60068-2-58
RoHS Compliant	2011/65/EU as amended by 2015/863/EU
Packaging	Taped and Reeled, 7 inch Reel

### General Electrical Specification

Rated Voltage	1000V
Nominal Capacitance Value	5.6nF
Capacitance Tolerance	± 5%
Tangent of Loss Angle (Tan δ)	≤0.0015
Capacitance and Tan δ Test Conditions	1Vrms @ 1kHz
Voltage Proof	1.5 x Rated Voltage
(Voltage applied for 5 secs max. @ 50mA max. charge current)	
Min Insulation Resistance (IR)	100.00GΩ
Dielectric Classification	C0G (NP0)
Rated Temperature Range	-55°C to +125°C
Maximum Capacitance Change over Temperature Range	No DC Voltage                      0±30ppm/°C
Climatic Category (IEC)	Rated DC Voltage                      -
Ageing Characteristic	55/125/56
	Zero

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.knowlescapacitors.com/syfer](http://www.knowlescapacitors.com/syfer) or by contacting us at [syfersales@knowles.com](mailto:syfersales@knowles.com)

Knowles UK Ltd., Hethel Engineering Centre, Chapman Way, Hethel, Norwich, NR14 8FB Tel: 01603 723300 Email: <a href="mailto:syfersales@knowles.com">syfersales@knowles.com</a> Web: <a href="http://www.knowlescapacitors.com/syfer">www.knowlescapacitors.com/syfer</a> 	Description:-	Name: J So
	<b>2220 1000V 5.6nF ± 5% C0G (NP0)</b>	Date: 26 July 2017
	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.	Filename: 2220J1K00562JGT-008.pdf