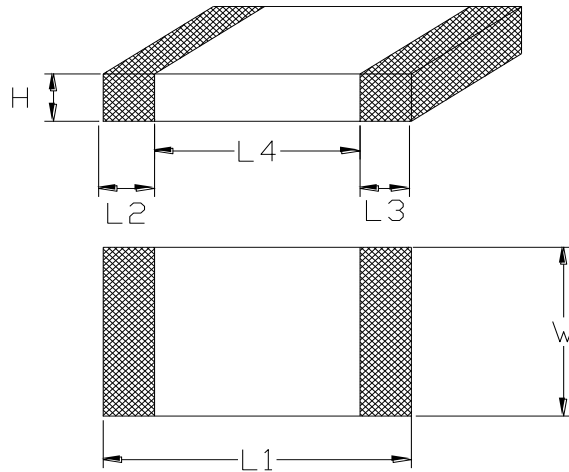


Knowles offers Multilayer Ceramic Chip Capacitors of the highest quality and reliability for a range of demanding applications. Manufactured using our "Wet Process", the range encompasses 10V to 12kV capability, with a variety of termination options including FlexiCap™, the worlds first commercially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



Mechanical Specification

Size Code	1210
Length (L1) mm	3.2 ± 0.2
Width (W) mm	2.5 ± 0.2
Thickness (H) mm	2.0 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 as amended by 2015/863/EU
Packaging	Taped and Reeled, 7 inch Reel

General Electrical Specification

Rated Voltage	630V
Nominal Capacitance Value	68nF
Capacitance Tolerance	± 10%
Tangent of Loss Angle (Tan δ)	≤0.025
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)	14.71GΩ
Dielectric Classification	X7R (2R1)
Rated Temperature Range	-55°C to +125°C
Maximum Capacitance Change over	No DC Voltage ±15%
Temperature Range	Rated DC Voltage -
Climatic Category (IEC)	55/125/56
Ageing Characteristic	Less than 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.knowlescapacitors.com/syfer or by contacting us at syfersales@knowles.com