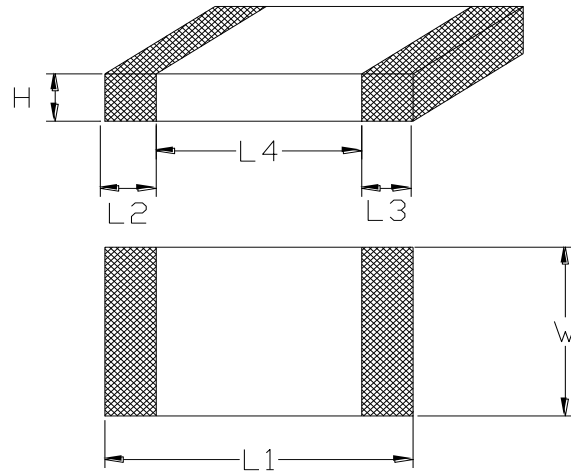


Knowles offers Multilayer Ceramic Chip Capacitors of the highest quality and reliability for a range of demanding applications. Manufactured using our "Wet Process", the range encompasses 10V to 12kV capability, with a variety of termination options including FlexiCap™, the worlds first commercially 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	4.0 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	630V
Nominal Capacitance Value	33nF
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)	30.30GΩ
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

Provisional Datasheet. Product Under development, spec subject to change without notice