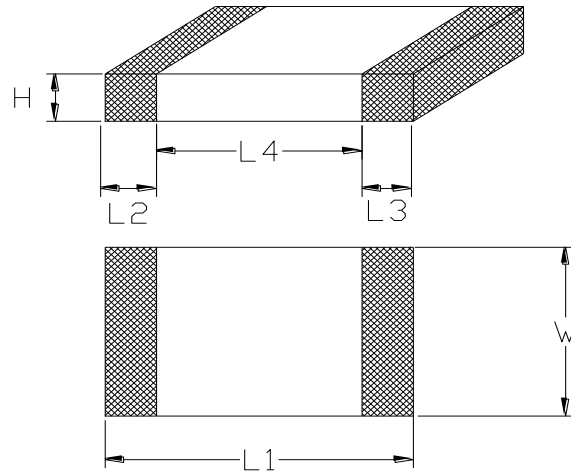


## 1210J6300682JGTAF2

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 ± 0.2
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	6.8nF
Capacitance Tolerance	± 5%
Tangent of Loss Angle (Tan δ)	≤0.001
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
(IR Test Voltage applied @ 100V)	
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

Suffix AF2 indicates special dimension, packaging and test requirements for Huawei. 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:- <b>1210 630V 6.8nF ± 5% C0G (NP0)</b>	Name: Js
	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: 25 April 2018

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