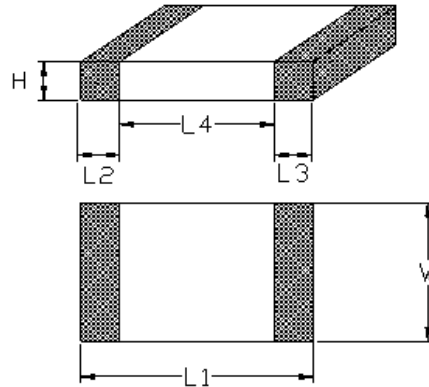


# Multilayer Ceramic Chip Capacitor

**Part Number : 1812J2K00472KJT**

**Description : 1812 2000V 4.7nF ±10% X7R (2R1)**

A range of ceramic multi-layer capacitors for a variety of demanding applications including power supplies and LED lighting. This X7R range is manufactured to exacting standards using our unique screen printing process. This provides a high quality component suitable for demanding applications.



## Mechanical Specification

Syfer Size Code	1812
Length (L1) mm	4.5 ± 0.35
Width (W) mm	3.2 ± 0.3
Thickness (H) mm	2.5 Max.
Termination Bands (L2,L3) mm	0.25 - 1.0
Minimum Band Gap (L4) mm	2.15
Termination Material	100% Matte Sn over Ni, Ag Base
Solderability	IEC 60068-2-58
RoHS Compliant to 2011/65/EC	Yes
REACH Compliant	Yes
Packaging	Taped and Reeled, 7 inch Reel

## General Electric Specifications

Rated Voltage	2000V	
Nominal Capacitance Value	4.7nF	
Capacitance Tolerance	±10%	
Tangent of Loss Angle (Tan δ)	≤0.025	
Capacitance and Tan δ Test Conditions	1Vrms @ 1kHz	
Voltage Proof (Voltage applied for 5 secs max. @ 50mA max. charge current)	1.2 x Rated Voltage	
Min Insulation Resistance (IR)	100 GΩ	
Dielectric Classification	X7R (2R1)	
Rated Temperature Range	-55°C - +125°C	
Maximum Capacitance Change over Temperature Range	No DC Voltage	±15%
	Rated DC Voltage	-
Climatic Category (IEC)	55/125/56	
Ageing Characteristic	Less than 2% per time decade	

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Date: 11 January 2017

## X-ON Electronics

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