

Multilayer Ceramic Chip Capacitor

HEINER - VIER - IVERVIEV			
Part Number:	2211YA250332	KJTSYX	Description: 2211 250Vac (Y2), 305Vac (X1), 50/60Hz / 1000Vdc 3.3nF ±10% X7R (2R1)
Approval	IEC/EN60384-14:2013+A	1	~
Specifications:	UL60384-14, CAN/CSA E	60384-14:14	
Certification:	TÜV R60156291 / ID1111	239246	
Classification:	UL/cUL E228790-202102		LA L3
			12-1
	UL/cUL FOWX2, FOWX8		Component Marking and Certification Bodies:
Material Group I	: CTI >= 600		SY102 C United as a constant of the second s
Mechanical Specification			
Size Code			2211
Length (L1) in mm (")			5.7 ± 0.40 (0.225 ± 0.016)
Width (W) in mm (")			2.79 ± 0.30 (0.11 ± 0.012)
Thickness (T) in mm (")			2.54 Max (0.1 Max)
Minimum Termination Band (L2,L3) in mm (")			0.50 (0.020)
Maximum Terminatio	n Band (L2,L3) in mm (")		0.80 (0.030)
Minimum Band Gap (L4) in mm (")		4.0 (0.158)
Termination Material			FlexiCap™ Polymer termination, Nickel barrier, Sn Plated Solder (RoHS compliant)
Solderability Packaging			IEC-60068-2-58 7" Reel Horizontal Orientation, 500 per reel
		eneral Electri	cal Specification
Rated Voltage			Class Y2 (250Vac), Class X1 (305Vac), 50/60Hz, 5kV impulse
Humidity Grade			Grade III (IEC/EN60384-14:2013 Annex 1)
Maximum DC Working Voltage			1000Vdc certified / (2500Vdc outside scope of any specification)
Nominal Capacitance Value			3.3nF
Capacitance Tolerance			±10%
Tangent of Loss Angle (Tan δ)			≤0.025
Capacitance and Tan δ Test Conditions			1.0Vrms @ 1kHz
Voltage Proof (50mA max charging current for DC tests)			100% test: 4000Vdc 1s min / 5s max AQL test: 4000Vdc / 3000Vac 60s min / 5kV 1.2x50µs impulse
Min Insulation Resistance (IR)			100.00GOhm @ 100Vdc
Dielectric Classification			X7R (2R1)
Rated Temperature Range			-55°C / +125°C
Maximum Capacitance Change over Temperature Range		re Range	No DC Voltage ±15% Rated DC Voltage -
Climatic Category (IE	C)		55/125/56
Ageing Characteristic			<2% per decade
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Environmental				
RoHS Compliant to 2011/65/EC as amended by 2015/863/EU Compliant				
211 compliant				
No exposure risk				
Board Layout				
-				
IPC-7351 pad design IPC-7351 pad design 2211 C 5.40mm 0.213" Y 1.35mm 0.053" X 3.10mm 0.122" Server Proverse				
Packaging				
Product identifying label Plastic carrier tape Top tape 8 or 12mm 178mm (7") or nominal 330mm (13") dia. reel				
Soldering				
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Hand soldering is not recommended and can lead to component damage through thermal shock.				
Application notes with mounting and handling guidance are available on request.				
Novacap Syfer Voltronics				
a standard item and is confirmed valid on the date generated, the latest published data er and is available at http://www.knowlescapacitors.com or by contacting us.				
ontained on this drawing is omissions excepted.				