

DATASHEET

C0402X5R250-103KNE

GENERAL PURPOSE CERAMIC CAPACITORS (C SERIES)
0402, X5R, 25V, 0.01uF, $\pm 10\%$, 100% matte Tin(Sn) over Nickel



VENKEL LTD.



SIZE SPECIFICATIONS units: inches

Length:	0.040
Width:	0.020
T(max):	0.025
Min E/B:	0.004
Size(EIA):	0402

COMPONENT SPECIFICATIONS

Category:	Ceramic Capacitors
Series:	General Purpose (C Series)
Size:	0402
Dielectric:	X5R
Voltage:	25V
Capacitance:	0.01uF
Tolerance:	$\pm 10\%$
Termination:	100% matte Tin(Sn) over Nickel
Packaging:	E
Quantity per Reel:	10,000

DIELECTRIC SPECIFICATIONS

Temperature Coefficient:	0 $\pm 15\%$ $^{\circ}\text{C}$ MAX
Temperature Voltage Coefficient	X5R not applicable
Ageing:	2.5% per decade hour, typical
Withstanding Voltage:	2.5 times VDCW
Operating Temp:	-55 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$
Dissipation Factor:	See C Series Datasheet

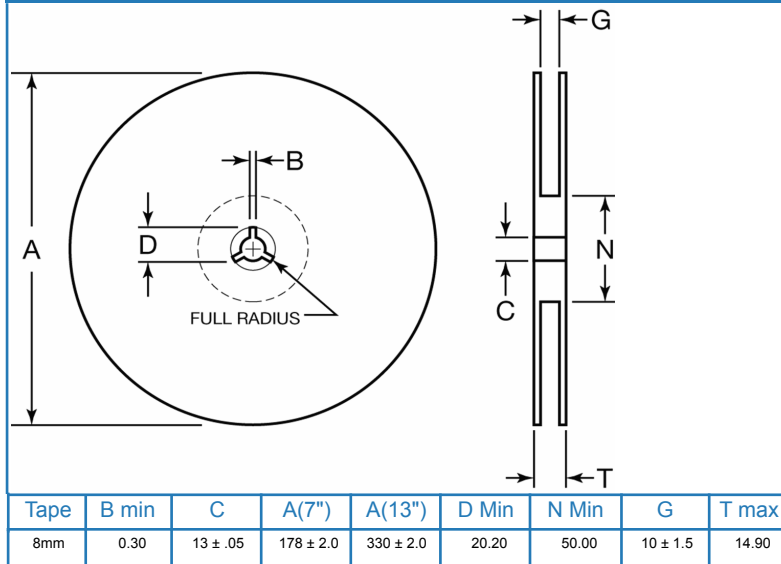
ENVIRONMENTAL INFORMATION

RoHS Status	6 of 6 Compliant
REACH Status	Compliant
Halogen Status	Halogen Free
Conflict Mineral Status	Conflict Mineral Free
Moisture Sensitivity Level	MSL1

REFLOW PROFILE

Max Reflow Temperature	260 $^{\circ}\text{C}$
Number of Reflow Cycles	2
Time at Max Reflow Temp.	10 sec

REEL DIMENSIONS units: mm



TAPING SPECIFICATIONS units: mm

