

DATASHEET

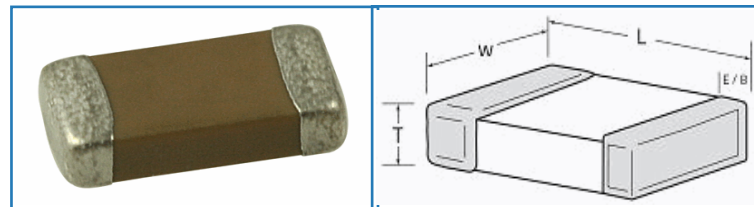
C0603X5R6R3-105MNE

GENERAL PURPOSE CERAMIC CAPACITORS (C SERIES)

0603, X5R, 6.3V, 1uF, $\pm 20\%$, 100% matte Tin(Sn) over Nickel



VENKEL LTD.



SIZE SPECIFICATIONS units: inches

Length:	0.063
Width:	0.032
T(max):	0.040
Min E/B:	0.008
Size(EIA):	0603

COMPONENT SPECIFICATIONS

Category:	Ceramic Capacitors
Series:	General Purpose (C Series)
Size:	0603
Dielectric:	X5R
Voltage:	6.3V
Capacitance:	1uF
Tolerance:	$\pm 20\%$
Termination:	100% matte Tin(Sn) over Nickel
Packaging:	E
Quantity per Reel:	4,000

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

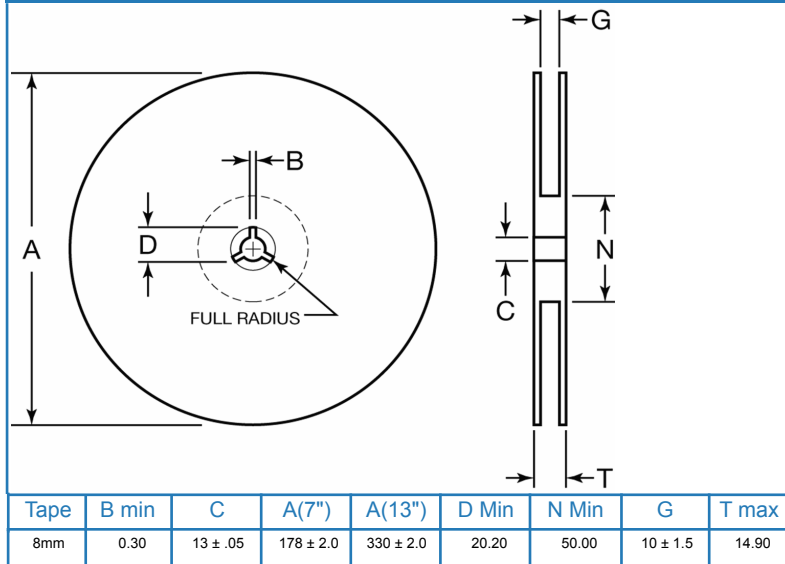
ENVIRONMENTAL INFORMATION

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

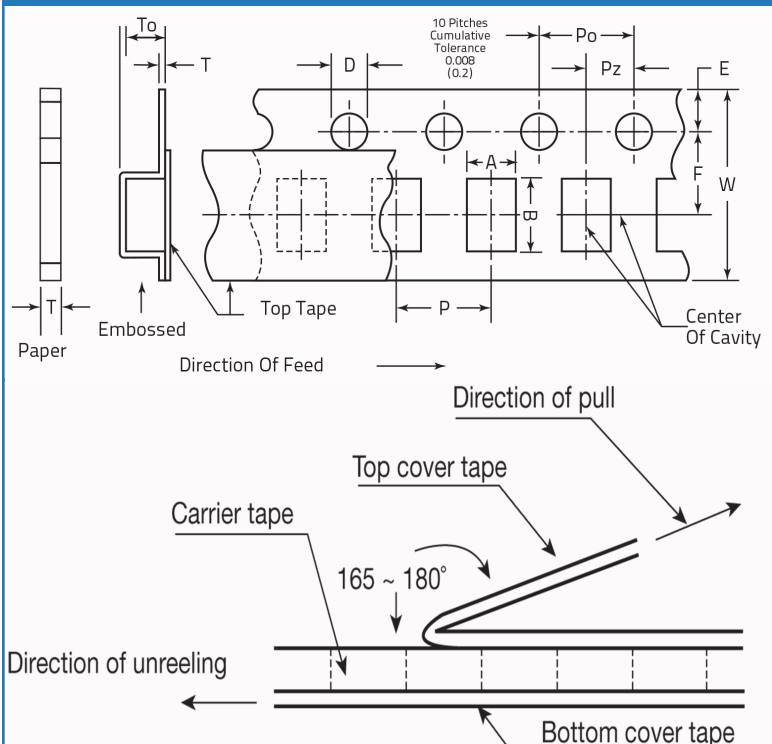
REFLOW PROFILE

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



A	B	W	F	E	Po
1.10 $\pm$ 0.2	1.90 $\pm$ 0.2	8.0 $\pm$ 0.2	3.5 $\pm$ 0.1	1.75 $\pm$ 0.1	4.0 $\pm$ 0.1
Pz	D	T	P	To	T(E)
2.0 $\pm$ 0.05 - 0.0	1.5 $\pm$ 0.1	1.15 MAX	4.0 $\pm$ 0.1		