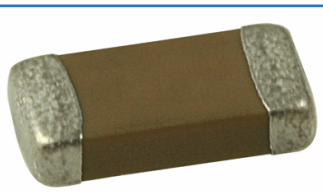
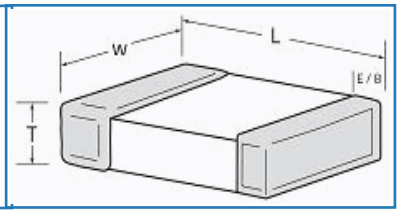
DATASHEET
C0603Z5U500-473MNE

GENERAL PURPOSE CERAMIC CAPACITORS (C SERIES)

0603, Z5U, 50V, 0.047uF, ±20%, 100% matte Tin(Sn) over Nickel

VENKEL LTD.





SIZE SPECIFICATIONS units: inches	
Length:	0.063
Width:	0.032
T(max):	0.038
Min E/B:	0.008
Size(EIA):	0603

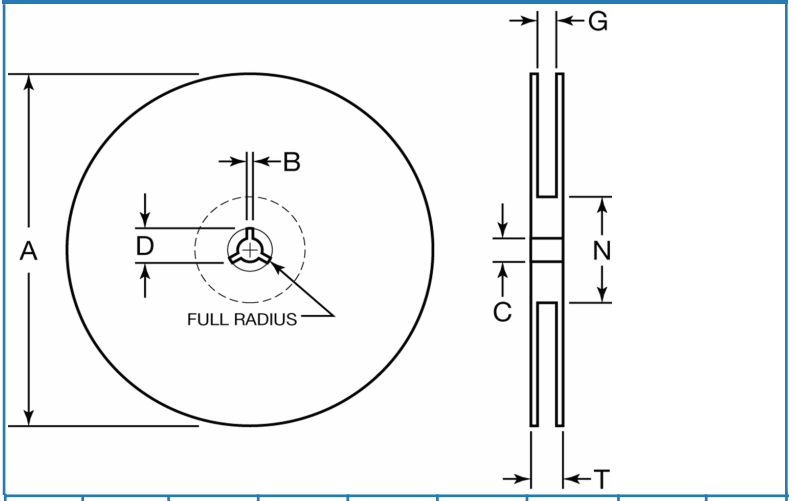
COMPONENT SPECIFICATIONS	
Category:	Ceramic Capacitors
Series:	General Purpose (C Series)
Size:	0603
Dielectric:	Z5U
Voltage:	50V
Capacitance:	0.047uF
Tolerance:	±20%
Termination:	100% matte Tin(Sn) over Nickel
Packaging:	E
Quantity per Reel:	4,000

DIELECTRIC SPECIFICATIONS	
Temperature Coefficient:	+22% - 56%Δ˚C MAX
Temperature Voltage Coefficient	Z5U not applicable
Ageing:	5% per decade hour, typical
Withstanding Voltage:	2.5 times VDCW
Operating Temp:	+10°C to +85°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

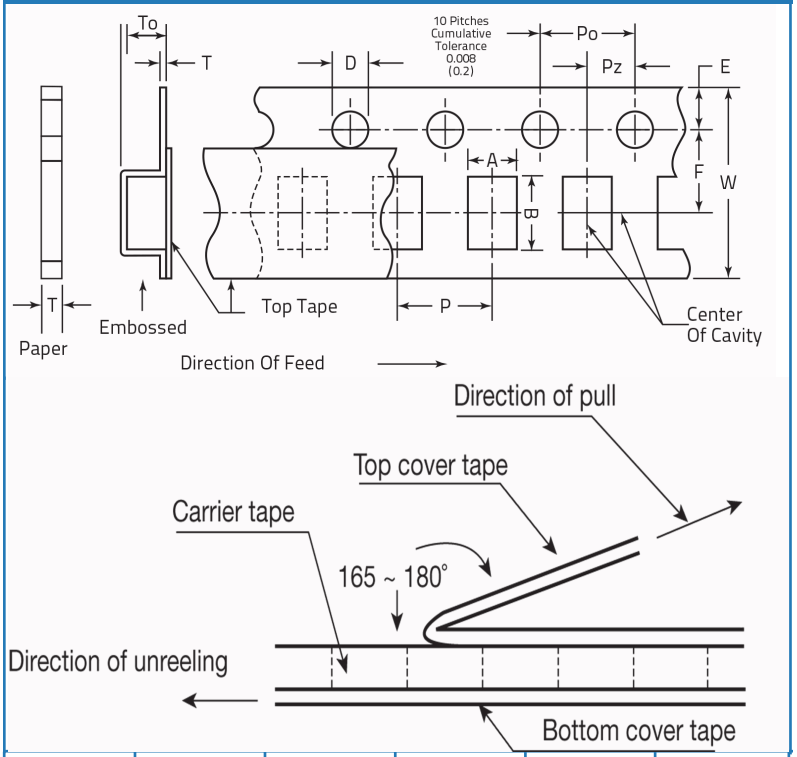
REFLOW PROFILE	
Max Reflow Temperature	260 °C
Number of Reflow Cycles	2
Time at Max Reflow Temp.	10 sec

REEL DIMENSIONS units: mm



Tape	B min	C	A(7")	A(13")	D Min	N Min	G	T max
8mm	0.30	13 ± .05	178 ± 2.0	330 ± 2.0	20.20	50.00	10 ± 1.5	14.90

TAPING SPECIFICATIONS units: mm



A	B	W	F	E	Po
1.10 ± 0.2	1.90 ± 0.2	8.0 ± 0.2	3.5 ± 0.1	1.75 ± 0.1	4.0 ± 0.1

Pz	D	T	P	To	T(E)
2.0 ± 0.05 - 0.0	1.5 + 0.1	1.15 MAX	4.0 ± 0.1		

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CR0402-16W-9531FT C0402X5R250-104MNP-CT C0805X5R250-225KNE CR0402-16W-3831FT C0603X7R101-182KNP-CT C0402C0G250-271FNP C0402C0G500-151JNE C1206Y5V160-106MNE-CT CR1206-4W-7153FT TFCR1206-8W-E-2001BT C0603C0G500-8R2CNE-CT C0603Y5V250-104MNE-CT C0603C0G250-270KNE-CT C0201X5R6R3-333KNP-CT C0402C0G250-9R1DNP-CT C0805X7R501-102KNP C2220X7R500-106MNE CR0201-20W-302JT CR1206-8W-1104FT CTL0805FGR1T-CT C0603C0G500-390JNP-CT C0201X5R100-474MNP CR0603-16W-8250FT C0805X5R500-106KNE SMAJ15CAS4-EVL C0402HQN500-150FNP C0402X7R250-822KNE-CT C0402Z5U250-103MNP-CT C0805X5R500-225KNE-CT C0805X7R201-121MNP-CT