

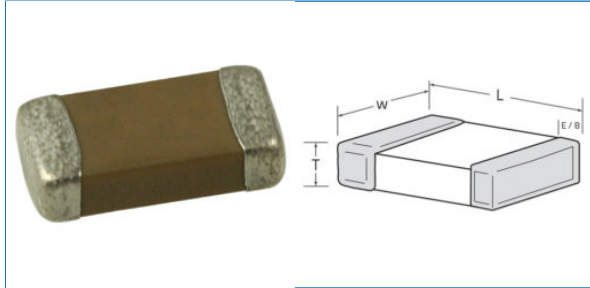
# C1206X5R500-106KNE Datasheet

General Purpose Ceramic Capacitors (C Series)

Chip Capacitor, 1206, X5R, 50V, 10uF, 10%



VENKEL LTD.



SIZE SPECIFICATIONS unit: inches (mm)	
Length:	0.126 ± 0.008 (3.2 ± 0.20)
Width:	0.063 ± 0.008 (1.6 ± 0.20)
Thickness:	0.063±0.0079 (1.6±0.2)
Min E/B:	0.020 ± 0.010 (0.508 ± 0.254)
Size(EIA):	1206

COMPONENT SPECIFICATIONS	
Category:	Ceramic Capacitors
Series:	General Purpose Ceramic Capacitors (C Series)
Size:	1206
Dielectric:	X5R
Voltage:	50V
Capacitance:	10uF
Tolerance:	10%
Termination:	N - 100% Matte Tin over Nickel
Packaging	E
Quantity per Reel:	2000

DIELECTRIC SPECIFICATIONS	
Temperature Coefficient:	0 ±15%ppm/°C MAX
Temperature Voltage Coefficient:	X5R not applicable
Ageing:	2.5% per decade hour, typical
Withstanding Voltage	2.5 times VDCW
Operating Temp:	-55C to +85C
Dissipation Factor:	See C Series Datasheet

COMPLIANCE STATUS	
RoHS Status:	6 of 6 Compliant
REACH Status:	5900 Shepherd Mountain Cove Austin, TX 78730 USA Compliant
Halogen Status:	Halogen Free
Conflict Mineral Status:	Conflict Mineral Free
Moisture Sensitivity Level:	1

REEL DIMENSIONS units: mm								
Tape	B min	C	A(7")	A(13")	D Min	N Min	G	T max
8mm	0.3	13 ± .05	178 ± 2.0	330 ± 2.0	20.2	50	10 ± 1.5	14.9

TAPING SPECIFICATIONS units: mm					
A	B	W	F	E	Po
2.0 ± 0.2	3.6 ± 0.2	8.0 ± 0.2	1.75 ± 0.1	3.5 ± 0.1	4.0 ± 0.1
Pz	D	T	P	To	T(E)
2.0 ± 0.05 - 0.0	1.5 + 0.1	0.60 MAX	4.0 ± 0.1	2.5 MAX	