

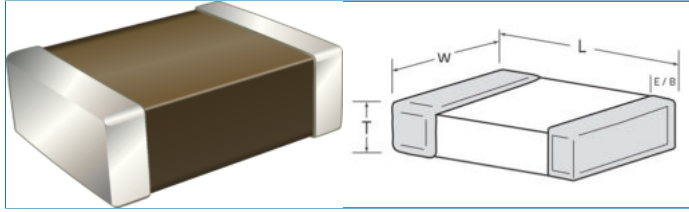
# C1812X7R251-105KNE Datasheet

High Voltage Ceramic Capacitors (HVC Series)

HV Chip Capacitor, 1812, X7R, 250V, 1uF, 10%



VENKEL LTD.



SIZE SPECIFICATIONS unit: inches (mm)	
Length:	.177 ± .012
Width:	0.125
Thickness:	See HVC Series Datasheet
Min E/B:	0.02
Size(EIA):	1812

COMPONENT SPECIFICATIONS	
Category:	Ceramic Capacitors
Series:	High Voltage Ceramic Capacitors (HVC Series)
Size:	1812
Dielectric:	X7R
Voltage:	250V
Capacitance:	1uF
Tolerance:	10%
Termination:	N - 100% Matte Tin over Nickel
Packaging	E
Quantity per Reel:	1000

DIELECTRIC SPECIFICATIONS	
Temperature Coefficient:	±15%ppm MAX
Temperature Voltage Coefficient:	X7R not applicable
Ageing:	2.5% per decade hour, typical
Withstanding Voltage	2.5 times VDCW
Operating Temp:	-55C to +125C
Dissipation Factor:	See C Series Datasheet

COMPLIANCE STATUS	
RoHS Status:	6 of 6 Compliant
REACH Status:	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
	0.3	13 ± .05	178 ± 2.0	330 ± 2.0	20.2		10 ± 1.5	14.9

TAPING SPECIFICATIONS units: mm					
A	B	W	F	E	Po
3.6 ± 0.2	4.9 ± 0.2	12.0 ± 0.3	1.75 ± 0.1	5.6 ± .01	4.0 ± 0.1
Pz	D	T	P	To	T(E)
2.0 ± 0.05	1.5 + 0.1 - 0.0	0.60 MAX	8.0 ± 0.1	4.0 MAX	