

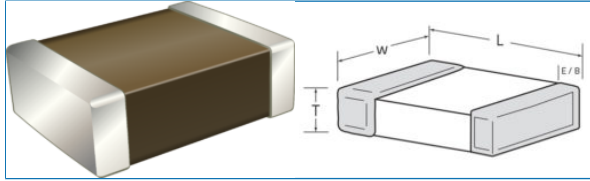
C0603C0G500-181FNP Datasheet

General Purpose Ceramic Capacitors (C Series)

Chip Capacitor, 0603, C0G, 50V, 180pF, 1%



VENKEL LTD.



SIZE SPECIFICATIONS unit: inches (mm)	
Length:	0.063 ± 0.006 (1.6 ± 0.15)
Width:	0.031 ± 0.0046 (0.8 ± 0.15)
Thickness:	See C Series Datasheet
Min E/B:	0.008 (min.) (0.20)
Size(EIA):	0603

COMPONENT SPECIFICATIONS	
Category:	Ceramic Capacitors
Series:	General Purpose Ceramic Capacitors (C Series)
Size:	0603
Dielectric:	C0G
Voltage:	50V
Capacitance:	180pF
Tolerance:	1%
Termination:	N - 100% Matte Tin over Nickel
Packaging	P
Quantity per Reel:	4000

DIELECTRIC SPECIFICATIONS	
Temperature Coefficient:	±30PPM/°C
Temperature Voltage Coefficient:	±30PPM/°C
Ageing:	None
Withstanding Voltage	2.5 times VDCW
Operating Temp:	-55C to +125C
Dissipation Factor:	0.1% max

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
8mm	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
1.10 ± 0.2	1.90 ± 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	1.15 MAX	4.0 ± 0.1		

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