

Chip ordering information - Syfer parts

1210	Y	100	0103	K	X	T	---
Chip Size	Termination	Voltage	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Packaging	Suffix code

Case Code

0402
0603
0805
1206
1210
1808
1812
1825
2220
2225
3640
5550
8060

Termination Codes

A	Nickel barrier	90/10% tin/lead
F	Palladium Silver*	
H	FlexiCap™/Nickel Barrier	90/10% tin/lead
J	Nickel Barrier*	100% tin
Y	FlexiCap™/Nickel Barrier*	100% tin
2	Copper Barrier* (Non Mag)	100% tin
3	FlexiCap™/Copper Barrier* (Non Mag)	100% tin
4	Copper Barrier (Non Mag)	90/10% tin/lead
5	FlexiCap™/Copper Barrier (Non Mag)	90/10% tin/lead

*Indicates RoHS terminations

Voltage Code

Code	Value	Code	Value	Code	Value
010	10Vdc	1K0	1kVdc	A25	250Vac
016	16Vdc	1K2	1.2kVdc		
025	25Vdc	1K5	1.5kVdc		
050	50Vdc	2K0	2kVdc		
063	63Vdc	2K5	2.5kVdc		
100	100Vdc	3K0	3kVdc		
200	200Vdc	4K0	4kVdc		
250	250Vdc	5K0	5kVdc		
500	500Vdc	6K0	6kVdc		
630	630Vdc	8K0	8kVdc		
		10K	10kVdc		
		12K	12kVdc		

Capacitance Tolerance Codes

Code	Tolerance	
H	±0.05pF	< 4.7pF
H	±0.05pF	Cap. Value < 10pF
B	±0.10pF	
C	±0.25pF	
D	±0.50pF	Cap. Value ≤ 10pF
F	±1%	
G	±2%	
J	±5%	
K	±10%	
M	±20%	

Packaging

Code	
T	178mm (7") reel
R	330mm (13") reel
B	Bulk pack - tubs or trays

Suffix Definitions

Used for specific customer requirements

PXX	Palladium electrodes
LS*	Chip marking *(consult sales office)

Dielectric Codes

Code	Dielectric	Features
C	COG/NP0 (1B)	Ultra Stable
H	X8G	Ultra Stable
P	X5R	Stable
X	X7R (2R1)	Stable
J	X7R (BME)	Stable
N	X8R	Stable
Q	COG/NP0	High Q version
U	COG/NP0	Ultra-low ESR version
A	COG/NP0 (1B/NP0)	AEC -Q200 approved
S	X7R (BME)	AEC -Q200 approved
E	X7R (2R1)	AEC -Q200 approved
T	X8R	AEC -Q200 approved
X	X7R	AEC -Q200 approved
F	COG/NP0 (1B/NP0)	IECQ-CECC release
D	X7R (2R1)	IECQ-CECC release
R	BZ (2C1)	IECQ-CECC release
B	BX (2X1)	IECQ-CECC release

Capacitance Code

Calculation	Example	Capacitance value
<1.0pF Insert a P for the decimal point as the 1 st character.	P300	0.3pF (values in 0.1pF steps)
≥1.0pF & <10pF Insert a P for the decimal point as the 2 nd character.	8P20	8.2pF (values are E24 series)
≥10pF 1 st digit is 0. 2 nd and 3 rd digits are significant figures of capacitance value. 4 th digit is number of zeros.	0101	100pF (values are E24 series)

