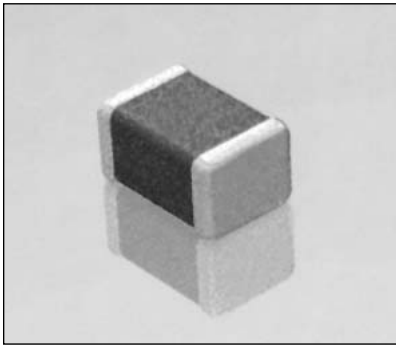


X5R Dielectric

General Specifications



GENERAL DESCRIPTION

- General Purpose Dielectric for Ceramic Capacitors
- EIA Class II Dielectric
- Temperature variation of capacitance is within $\pm 15\%$ from -55°C to $+85^{\circ}\text{C}$
- Well suited for decoupling and filtering applications
- Available in High Capacitance values (up to $100\mu\text{F}$)



Check for up-to-date CV Tables at
<http://www.avx.com/docs/catalogs/cx5r.pdf>

HOW TO ORDER

1210

Size
(L" x W")

6

Voltage
4 = 4V
6 = 6.3V
Z = 10V
Y = 16V
3 = 25V
D = 35V
5 = 50V

D

Dielectric
D = X5R

107

Capacitance Code (In pF)
2 Sig. Digits +
Number of Zeros

M

Capacitance Tolerance
K = $\pm 10\%$
M = $\pm 20\%$

A

Failure Rate
A = N/A

T

Terminations
T = Plated Ni
and Sn

2

Packaging
2 = 7" Reel
4 = 13" Reel
7 = Bulk Cass.
9 = Bulk

A

Special Code
A = Std.

SIZE	0201			0402			0603			0805			1206			1210			1812								
WVDC	10	16	25	4	6.3	10	16	25	4	6.3	10	16	25	35	6.3	10	16	25	35	6.3	10	16	25	35	6.3	10	25
Cap (pF)	100		A																								
	150		A																								
	220		A																								
	330		A																								
	470		A																								
	680		A																								
1000		A																									
1500		A																									
2200	A	A																									
3300	A																										
4700	A																										
6800	A																										
Cap (μF)	0.010	A																									
	0.015																										
	0.022																										
	0.033																										
	0.047																										
	0.068																										
	0.10																										
	0.15																										
	0.22																										
	0.33																										
	0.47																										
	0.68																										
	1.0																										
	1.5																										
	2.2																										
	3.3																										
4.7																											
6.8																											
10																											
22																											
47																											
100																											
WVDC	10	16	25	4	6.3	10	16	25	4	6.3	10	16	25	35	6.3	10	16	25	35	6.3	10	16	25	35	6.3	10	25
SIZE	0201			0402			0603			0805			1206			1210			1812								
Letter	A	C	E	G	J	K	M	N	P	Q	X	Y	Z														
Max. Thickness	0.33 (0.013)	0.56 (0.022)	0.71 (0.028)	0.86 (0.034)	0.94 (0.037)	1.02 (0.040)	1.27 (0.050)	1.40 (0.055)	1.52 (0.060)	1.78 (0.070)	2.29 (0.090)	2.54 (0.100)	2.79 (0.110)														
	PAPER					EMBOSSED																					