



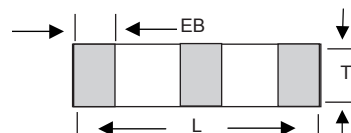
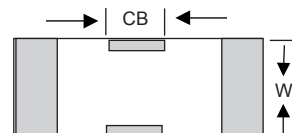
X2Y Filtering & Decoupling Capacitors

Part Number Determination

500X18W473MV4E							
500	X18	N	473	M	V	4	T
VOLTAGE	CASE SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	TERMINATION	MARKING	PACKAGING
6R3 = 6.3V 250 = 25V 500 = 50V 101 = 100V	X07 = 0402 X14 = 0603 X15 = 0805 X18 = 1206 X41 = 1210 X43 = 1812 X44 = 1410	N = NPO W = X7R	2 significant digits + # of zeros 105 = 1.00 mF 474 = 0.47 mF	M = ±20%	V = Nickel Barrier with 100% Tin Plating (Matte)	4 = Unmarked	E=Embossed Tape / 7" Reel U=Embossed Tape / 13" Reel T=Punched Tape / 7" Reel R= Punched Tape / 13" Reel Tape specS, PER EIA RS481

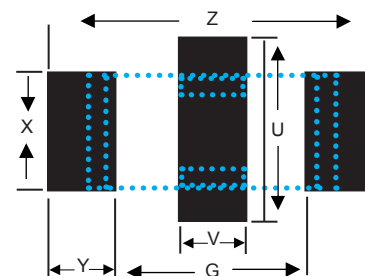
Package Dimensions in/(mm)

Size Code	L	W	T Max.	E/B	C/B
0402 (X07)	0.045±0.003 (1.43±0.076)	0.024±0.003 (0.610±0.076)	0.020 max (0.508 max)	0.008±0.003 (0.203±0.076)	0.010±0.003 (0.305±0.076)
0603 (X14)	0.064±0.005 (1.626±0.127)	0.035±0.003 (0.889±0.127)	0.026 max (0.660 max)	0.009±0.004 (0.229±0.102)	0.018±0.004 (0.457±0.102)
0805 (X15)	0.080±0.008 (2.032±0.203)	0.050±0.008 (1.27±0.203)	0.040 max (1.016 max)	0.009±0.004 (0.229±0.102)	0.022±0.005 (0.559±0.127)
1206 (X18)	0.124±0.010 (3.15±0.254)	0.063±0.010 (1.60±0.254)	0.050 max (1.27 max)	0.009±0.004 (0.51±0.25)	0.040±0.005 (1.016±0.127)
1210 (X41)	.125±.010 (3.175±.254)	.098±.010 (2.489±.254)	0.070 max (1.778 max)	0.009±0.005 (0.229±0.127)	0.045±0.005 (1.143±0.127)
1410 (X44)	0.140±0.010 (3.556±.254)	0.098±.010 (2.490±0.254)	0.070 max (1.778 max)	.009±.005 (0.229±0.127)	0.045±0.005 (1.143±0.127)
1812 (X43)	0.174±0.010 (4.420±0.254)	0.125±.010 (3.17±0.254)	0.090 max (2.286 max)	0.009±0.005 (0.229±0.127)	0.045±0.005 (1.143±0.127)

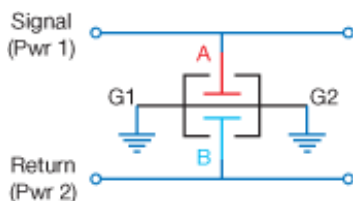


Land Pattern in/(mm)

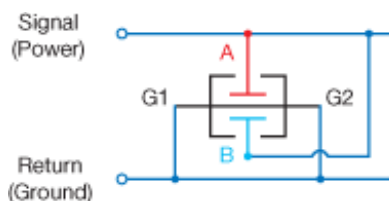
	0402 (X07)		0603 (X14)		0805 (X15)		1206 (X18)		1210 (X41)		1410 (X44)		1812 (X43)	
	IN	mm	IN	mm	IN	mm	IN	mm	IN	mm	IN	mm	IN	mm
X	0.020	0.51	0.035	0.89	0.050	1.27	0.065	1.65	0.100	2.54	0.100	2.54	0.125	3.18
Y	0.020	0.51	0.025	0.64	0.035	0.89	0.040	1.02	0.040	1.02	0.040	1.02	0.040	1.02
G	0.024	0.61	0.040	1.02	0.050	1.27	0.80	2.03	0.080	2.03	0.100	2.54	0.130	3.30
V	0.015	0.38	0.020	0.51	0.022	0.56	0.040	1.02	0.045	1.14	0.045	1.14	0.045	1.14
U	0.039	0.99	0.060	1.52	0.080	2.03	0.120	3.05	0.160	4.06	0.160	4.06	0.190	4.83
Z	0.064	1.63	0.090	2.29	0.120	3.05	0.160	4.06	0.160	4.06	0.180	4.57	0.210	5.33



Filtering X2Y® Circuit 1



Decoupling X2Y® Circuit 2



See price list booklet for current price

Surface Mount X2Y Filtering & Decoupling Capacitors

22pF, (500X14N220MV4T) through 0.1uF (500X18W104MV4E)