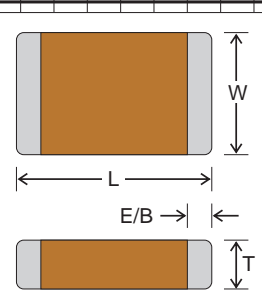


Capacitance	682	822	103	123	153	183	223	273	333	393	473	563	683	823	104	124	154	184	224	274	334	394	474	564	684	824	105	125	155	185	225	275	335	395	475	106	
6800 pF																																					
8200 pF																																					
.010 µF																																					
.012 µF																																					
.015 µF																																					
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2.20 µF																																					
2.70 µF																																					
3.30 µF																																					
3.90 µF																																					
4.70 µF																																					
10.0 µF																																					

VOLTAGE CODE

- 200 Volt
- 100 Volt
- 50 Volt
- 25 Volt
- 16 Volt
- 10 Volt



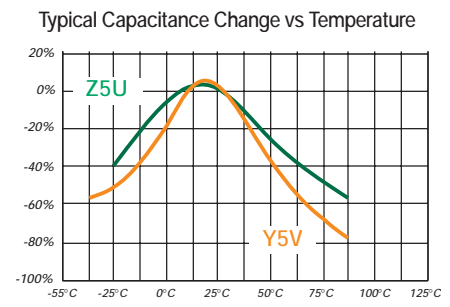
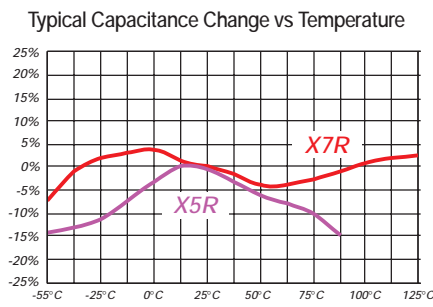
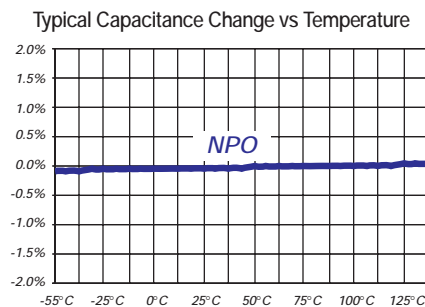
NPO	R07 / 0402	L .040 ± .004"	W .020 ± .004"	T .025" Max	E/B .010" Typ.
X7R					
Z5U					
Y5V					
NPO	R14 / 0603	L .063 ± .010"	W .032 ± .010"	T .035" Max	E/B .015" Typ.
X7R					
Z5U					
Y5V					
NPO	R15 / 0805	L .080 ± .010"	W .050 ± .010"	T .051" Max	E/B .020" Typ.
X7R					
X7R					
X5R					
Z5U					
Y5V					
NPO	R18 / 1206	L .125 ± .010"	W .062 ± .010"	T .070" Max	E/B .020" Typ.
X7R					
X7R					
X5R					
Z5U					
Y5V					
NPO	S41 / 1210	L .125 ± .010"	W .095 ± .010"	T .070" Max	E/B .020" Typ.
X7R					
X7R					
Z5U					
Y5V					
NPO	S43 / 1812	L .175 ± .010"	W .125 ± .010"	T .085" Max	E/B .020" Typ.
X7R					
Z5U					
Y5V					

For other size/voltage/capacitance combinations please contact the factory

CERAMIC DIELECTRIC CHARACTERISTICS

SPECIFICATION	NPO	X7R	X5R	Z5U	Y5V - Tanceram®
Temperature Coefficient:	0 ± 30 ppm/°C	± 15%	± 15%	+ 22% - 56%	+ 22% - 82%
Temperature Range:	-55 to +125°C	-55 to +125°C	-55 to +85°C	+10 to +85°C	-30 to 85°C
Dissipation Factor, Max.:	All Rated Voltages: 0.1%	For ≥ 50 WVDC: 2.5% For 25 WVDC: 3.0% For 16 WVDC: 3.5%	For ≥ 25 WVDC: 3.0% For 16 WVDC: 3.5% For 10 WVDC: 5.0%	For ≥ 25 WVDC: 4.0% For 16 WVDC: 5.0%	For ≥ 25 WVDC: 5.0% For 16 WVDC: 7.0% For 10 WVDC: 9.0%
Ageing, Typical per decade hr:	None	2.5%	2.5%	5.0%	7.0%
Insulation Resistance, Min. (1):	1000ΩF or 100 GΩ	1000ΩF or 100 GΩ	1000ΩF or 100GΩ	100ΩF or 10 GΩ	100 ΩF or 10 GΩ
Dielectric Strength, Min. (2):	2.5 X WVDC	2.5 X WVDC	2.5 X WVDC	2.5 X WVDC	2.5 X WVDC

Test Notes: 25°C, WVDC., Test Freq. = 1Khz ±50Hz, 1.0±0.2 VRMS, (1Mhz ±50kHz, 1.0±0.2 VRMS For NPO Values ≤ 100 pF), (1) whichever less, (2) 50 mA Max



HOW TO ORDER

500	R15	N	101	J	V	4	E
VOLTAGE	CASE SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	TERMINATION	MARKING	TAPE MODIFIER
100 = 10 V 160 = 16 V 250 = 25 V 500 = 50 V 101 = 100 V 201 = 200 V 251 = 250 V 501 = 500 V 102 = 1000 V 202 = 2000 V 302 = 3000 V	R07=0402 R14=0603 R15=0805 R18=1206 S41=1210 R29=1808 S43=1812 S49=1825 S48=2225	N = NPO W = X7R X = X5R Z = Z5U Y = Y5V	1st two digits are significant; third digit denotes number of zeros, R = decimal. 1R0 = 1.0 pF 100 = 10 pF 102 = 1,000 pF 474 = 0.47 μF	* B = ± 0.10 pF * C = ± 0.25 pF * D = ± 0.50 pF F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20% Z = +80 -20% *Values < 10 pF only	V = Nickel Barrier	4 = Unmarked 6 = EIA "J" Code* *Not available on 0402 & 0603 sizes	Tape Tape Reel Code Type Size U Embossed 13" R Punched 7" E Embossed 7" T Punched 7" Z Embossed 5" Y Punched 5" Tape specifications conform to EIA RS481

Part number written: 500R15N101JV4E