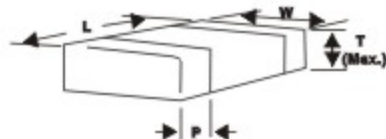


Y5V/Z5U DIELECTRIC Ceramic Capacitors Multilayer Chips



FEATURES

- Highest capacitance per case sizes
- Low ESR
- Commercial temperature range -30+85°C
- RoHS Compliance

DIMENSIONS [NUMBERS IN BRACKETS INDICATES MILLIMETERS]

EIA CODE	LENTH(L)	WIDTH(W)	THICKNESS(T)* Max.	MAX TERMINATION(P)	
				Min.	Max.
0201	.024±.001[0.60±0.03]	.012±.001[0.30±0.03]	.012[0.30]	.006[0.15]	.005[0.12]
0402	.040±.002[1.00±0.10]	.020±.004[0.50±0.10]	.024[0.61]	.008[0.20]	.012[0.30]
0603	.063±.005[1.60±0.12]	.031±.005[0.80±0.12]	.006[1.50]	.010[0.25]	.026[0.65]
0805	.074±.008[2.00±0.20]	.049±.008[1.25±0.20]	.091[2.30]	.010[0.25]	.028[0.71]
1206	.126±.010[3.20±0.25]	.063±.010[1.60±0.25]	.100[2.55]	.010[0.25]	.028[0.71]
1210	.126±.016[3.20±0.40]	.100±.016[2.50±0.40]	.115[2.85]	.010[0.25]	.028[0.71]
1812	.177±.016[4.50±0.40]	.126±.016[3.20±0.40]	.131[3.55]	.010[0.25]	.030[0.76]

*The thickness may be high for newly developed products, check website for the updated specifications.

APPLICATIONS

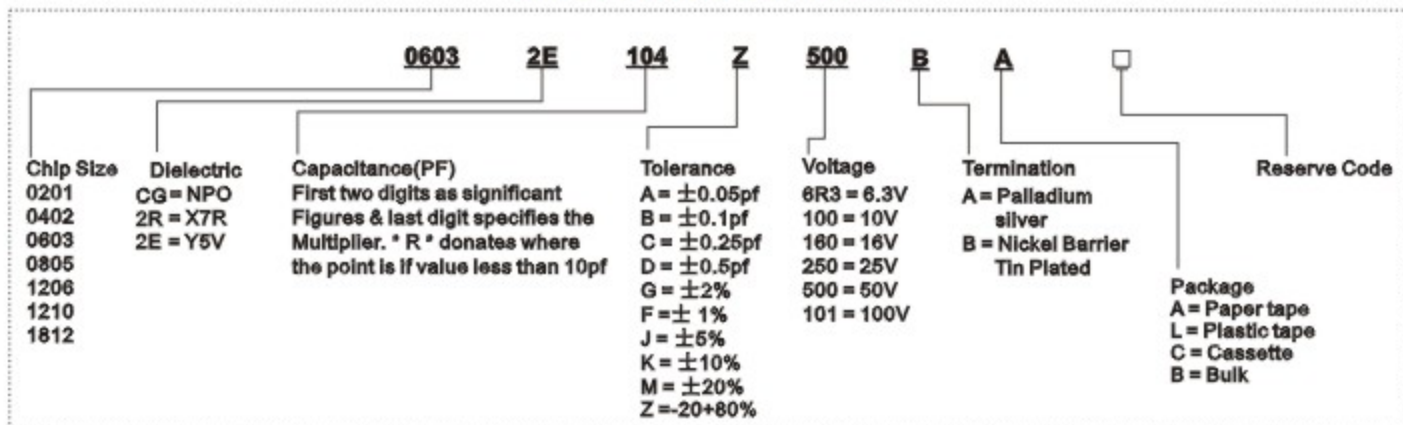
Used for by-passing & filtering applications in consumer electronics such as

- Tuners
- Television receivers
- Video recorders
- All types of cameras
- Mobile telephones
- PDA and etc...

QUICK REFERENCE DATA

DESCRIPTION	VALUE
Rated voltage U_n (DC)	4.0v, 6.3v, 10v, 16v, 25v, 50v,
Capacitance range	1nF ~ 100uF
Tolerance after 1000hrs	±20%, -20+80%
Test Voltage (DC) For 1 minute	2.5 x U_n
Detail specifications	based on CECC 32 101-801

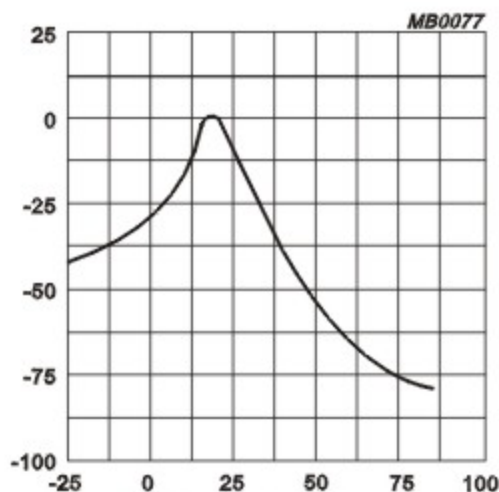
PART NUMBERING SYSTEM



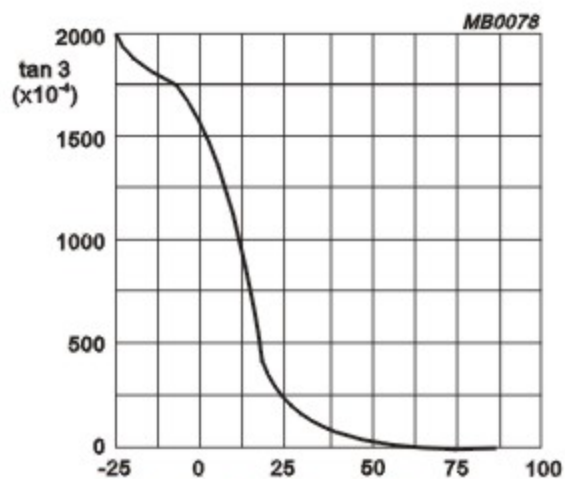
Y5V/Z5U DIELECTRIC 容值选择表

EIA CODE		0201			0402			0603			0805			1206		1210		1812	
Voltage (dc)		4	6.3	10	16	25	50	16	25	50	16	25	50	25	50	25	50	25	50
Capacitance Code	Capacitance																		
103	.010 μ F																		
123	.012 μ F																		
153	.015 μ F																		
183	.018 μ F																		
223	.022 μ F																		
273	.027 μ F																		
333	.047 μ F																		
473	.047 μ F																		
563	.056 μ F																		
683	.068 μ F																		
823	.082 μ F																		
104	.10 μ F																		
124	.12 μ F																		
154	.18 μ F																		
184	.18 μ F																		
224	.22 μ F																		
274	.27 μ F																		
334	.33 μ F																		
394	.39 μ F																		
474	.47 μ F																		
564	.56 μ F																		
684	.68 μ F																		
824	.82 μ F																		
105	1.0 μ F				10V														
125	1.2 μ F																		
155	1.5 μ F																		
185	1.8 μ F																		
225	2.2 μ F																		
275	2.7 μ F																		
335	3.3 μ F																		
395	3.9 μ F																		
475	4.7 μ F							10V											
565	5.6 μ F																		
685	6.8 μ F																		
825	8.2 μ F																		
106	10 μ F							6.3V					25/16V						
126	12 μ F																		
156	15 μ F																		
186	18 μ F																		
226	22 μ F								6.3V			10/16V		25/16V					
336	33 μ F														10V				
476	47 μ F											6.3V		10V			16V		
107	100 μ F													6.3V			10V		

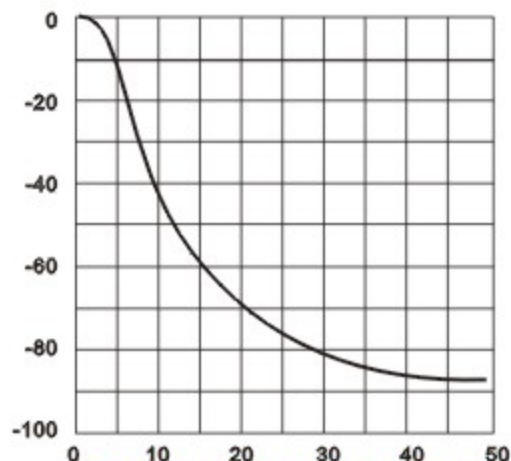
Y5V/Z5U DIELECTRIC - TYPICAL PARAMETERS



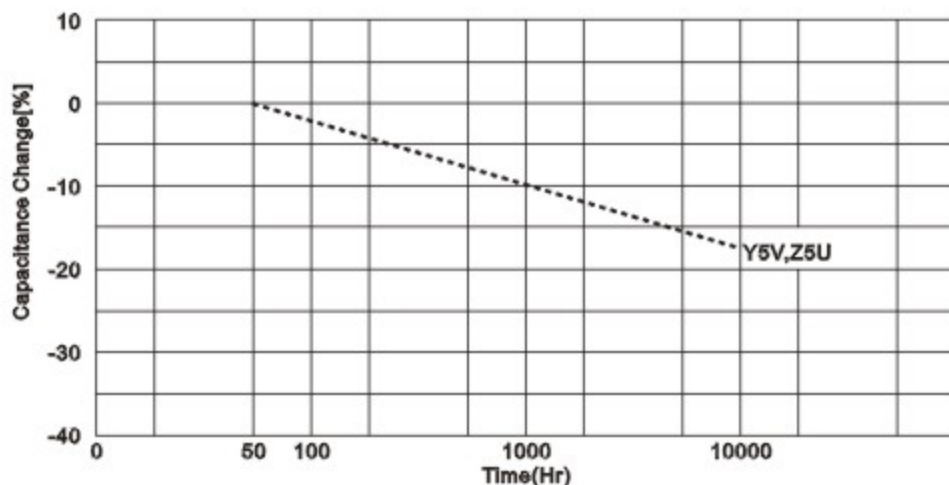
Typical capacitance change as a function of temperature.



Typical tan δ as a function of temperature.



Typical capacitance change with respect to the capacitance at 1 V as a function of DC voltage at 25°C



Capacitance Change-Aging