

Class III 12V ~ 50V

半導體型陶瓷電容器

Semi-Conductive Ceramic Capacitors



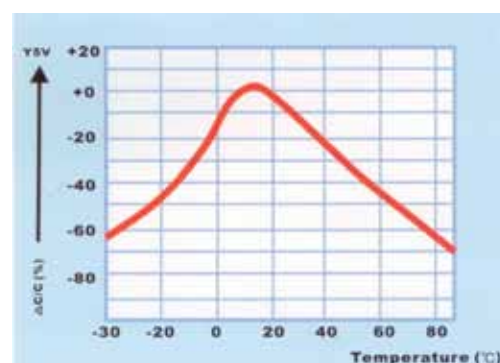
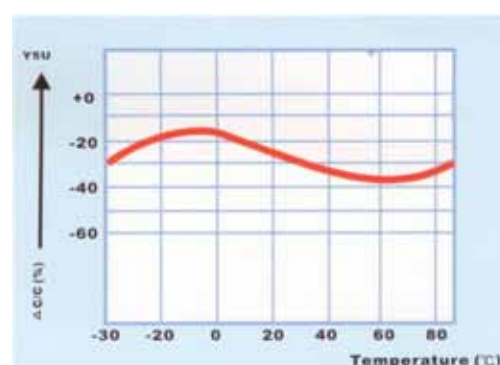
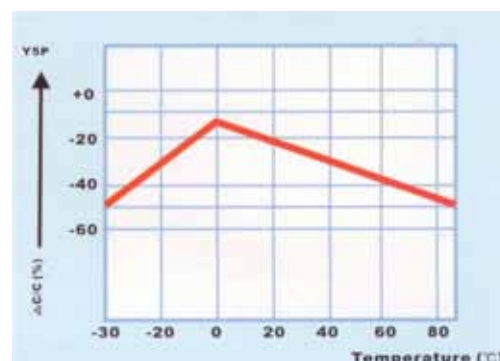
Electronic Characteristics

Operating Temperature Range	-25°C to +85°C
Capacitance	Within tolerance at 1MHz and 25°C (lever 0.1 Vrms max.)
Capacitance Tolerance	±20%, +80% -20%
Rated Voltage	12, 16, 25, 50 VDC
Test Voltage	2 times rated voltage for 1.5 sec.
Insulation Resistance	100M Ω at 10V for 1 minute. (12~16V) 1000M Ω at 10V for 1 minute. (25~50V)

Characteristics at Temperature

Code	Temp. Range	Cap. Change	EIA Code
B	-25°C ~+85°C	10%	Y5P
E		+22 ~ -56%	Y5U
F		+22 ~ -82%	Y5V
Dissipation Factor		7% max. for 12~16V at 1KHz 5% max. for 25~50V at 1KHz	
Lift Test		Apply rated voltage at 85°C for 500 hours.	

Temperature Characteristic Curves



Capacitance Size and Tolerance

	S.C Type	Capacitance (uF)	Tolerance	D Max (mm)	Feet Distance (mm)		S.C Type	Capacitance (uF)	Tolerance	D Max (mm)	Feet Distance (mm)
12V ~ 25V	Y5P	0.0039~0.01	K/M	6	2.5/5.0	50V	Y5P	0.0039~0.01	K/M	6	2.5/5.0
	Y5U	0.015~0.05	M/Z	6	2.5/5.0		Y5U	0.015~0.05	M/Z	6	2.5/5.0
		0.068~0.1	M/Z	7, 8	2.5/5.0			0.068~0.1	M/Z	8	2.5/5.0
		0.015~0.022	Z	5	2.5/5.0			0.015~0.022	Z	5	2.5/5.0
	Y5V	0.033~0.05	Z	6	2.5/5.0		Y5V	0.033~0.05	Z	6	2.5/5.0
		0.068~0.1	Z	7, 8	2.5/5.0			0.068~0.1	Z	8	2.5/5.0