



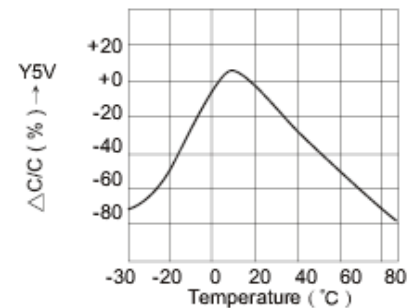
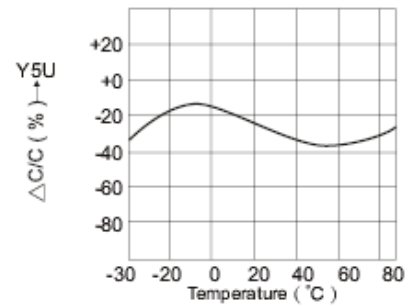
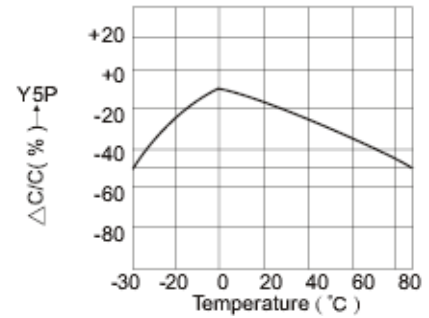
# SEMICONDUCTIVE CAPACITOR ( CLASS III 50V)

半導體型陶瓷電容器

## Electronic Characteristics

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

## Temperature characteristic curves



## 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 1 KHz 5% max for 25~50V at 1KHz
Life Test	Apply rated voltage at 85°C For 500 hours

## Capacitance Size and Tolerance

	S.C. Type	Capacitance (μF)	Tolerance	D Max (mm)	F (mm)
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
		0.068 ~ 0.1	M/Z	8	2.5/5.0
	Y5V	0.015 ~ 0.022	Z	5	2.5/5.0
		0.033 ~ 0.05	Z	6	2.5/5.0
		0.068 ~ 0.1	Z	8	2.5/5.0