



HIGH DIELECTRIC CONSTANT CAPACITORS (CLASS II 50V ~100V)

高誘電型陶瓷電容器

Electronic Characteristics

Operating Temperature Range			
Code	Temp Range	Cap Chang	EIA Code
A	-25°C ~ +85°C	± 4.7%	Y5E
B		± 10%	Y5P
E	+10°C ~ +85°C	+22% ~ -56%	Z5U
F		-22% ~ -82%	Z5V

Capacitance Size and Tolerance

Capacitance	Within tolerance at 1Khz and 25°C
Minimum Capacitance tolerance:	
TEMP. CHAR.	MIN CAP TOL
Y5E	10%
Y5P	10%
Z5U	20%
Z5V	+80 ~ -20%
Rated Voltage	50 · 100 V DC
Test Voltage	2.5times rated voltage for 1.5 sec. less than 50 mA
Insulation Resistance	10,000 MΩ min at WV DC.
Dissipation Factor	2.5 max for Y5E, Y5P at 1 KHz and 25°C 3.5 max for Z5U, Z5U at 1 KHz and 25°C
Life Test	1.5 times working voltage at 85°C For 500 hours.

Capacitance Size and Tolerance

H-K TYPE	Capacitance (pF)	Tolerance	D max (mm)	Feet Distance (mm)
Y5P	100-680	K/M	6	2.5/5.0
	821-2200	K/M	6	2.5/5.0
	2200-3300	K/M	7	2.5/5.0
	3300-4700	K/M	8	2.5/5.0
	4700-6800	K/M	9	5.0
	6800-10000	K/M	10	5.0
	0.1uF	K/M	10,11	5.0
Z5U	1000-5000	M/Z	6	2.5/5.0
	5001-10000	M/Z	7	2.5/5.0
Z5V	2700-10000	Z	6	2.5/5.0
	0.015-0.022uF	Z	7	2.5/5.0

K...± 10% M....± 20% Z....+ 80% -20%

Temperature characteristic curves

