

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

中高壓高誘電型陶瓷電容器

C.C. Series (CLASS II 500V~10KV)



Electronic Characteristics

Operating Temperature Rang

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

Capacitance

Within tolerance at 1KHz and 25℃

Minimum Capacitance tolerance :

TEMP. CHAR.	MIN CAP TOL
Y5E	±10%
Y5P	±10%
Z5U	±20%
Z5V	+80% ~ -20%

Rated Voltage

500,1K,2K V_{DC} ~ 10K V_{DC}

Test Voltage

Below 1KV:300%
 1KV , 2KV.200%
 2KV < W.V. ≤ 5KV for 1.75%
 5KV < W.V. ≤ 10KV for 1.5%
 rated voltage with 50mA
 max charging current for 2.5sec.

Insulation Resistance

10,000MΩ min at WV_{DC} .

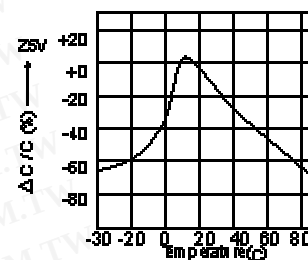
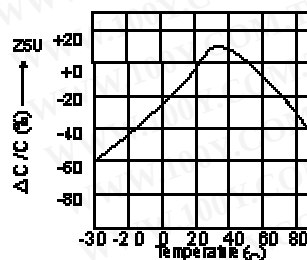
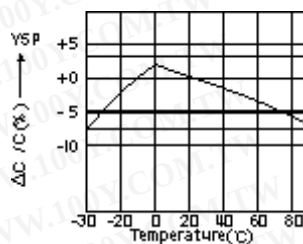
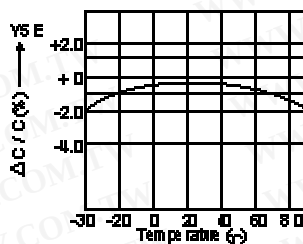
Dissipation Factor

2.5% max for Y5E,Y5P at 1KHz and 25℃
 3.5% max for Z5U,Z5V at 1KHz and 25℃

Life Test

1.5 times working voltage at 85℃ for 500hours.

Temperature characteristic curves



中高壓溫度補償型及高誘電型陶瓷電容器

C.C. series (CLASS I and CLASS II 500V~3KV)

Capacitance Size and Tolerance

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unit:PF

	NOP	SL	B Y5E Y5P	E Z5P	F Z5V	DIAMETER MAX (mm)
500V			101~102	101~222	102~392	6
	1~30	1~82	122	242~332	472~502	7
			152~182	392~502	562	8
	33~47	91~161	202~222	562~682	682~103	9
			242~332	822	153	10
	51~121	180~301	362~472	103	183	11
	131~161	331~431	512~682	153	203~223	13
	171~241	471~561	752~103	203~223		15
1KV				303~333		17
			101~501	101~102	102~122	6
		47~68	561~102	152~222	152~182	7
		82~101	122~152	272	202~222	8
		151~221	182	302~392	272~332	9
		271	202~222	472~562	392~103	10
		331	272~332	682~103	123	11
		391~471	392~472	153	153~183	13
		561~681	562~682	203~223	203~223	15
			822~103	303~333	333~473	17

2KW		18~47	101~561	102~122	102~182	7
2KW			101~471	102~122	102~182	7
			561~681	152~182	202~222	8
			821	202~222	272	9
			102~122	272	332~472	10
			152	332~392	562	11
			182~222	472~562	682	13
			272~332	682	822~103	15
			392~472	822~103	153~103	17
According as customer=s request and the voltage.						

103=10,000pF i.e. the digit signifies the number zeroes.

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