

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)

HIK.-H.V. SERIES

中高压高诱电型陶瓷电容器
 C.C. Series (CLASS II 500V~10KV)



Electronic Characteristics

Operating Temperature Rang

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

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

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.

Test Voltage

Insulation Resistance

10,000MΩ min at WV_{DC} .

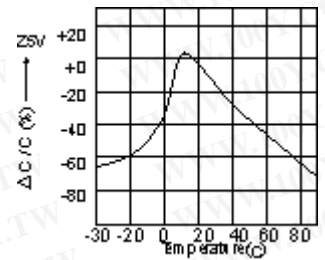
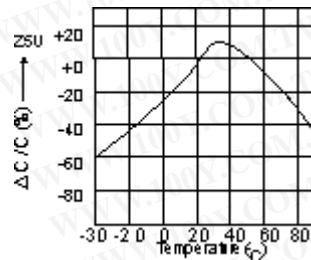
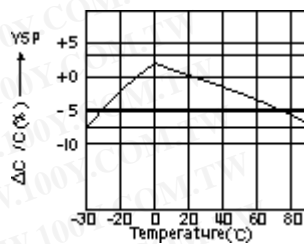
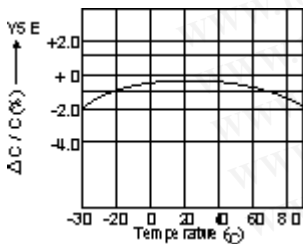
Dissipation Factor

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

Life Test

1.5 times working voltage at 85°C for 500hours.

Temperature characteristic curves



中高压温度补偿型及高诱电型陶瓷电容器
 C.C. series (CLASS I and CLASS II 500V~3KV)

Capacitance Size and Tolerance

unit: PF

500V	NOP	SL	B	E	F	DIAMETER MAX (mm)
			Y5E Y5P	Z5P	Z5V	
	1~30	1~82	101~102 122	101~222 242~332	102~392 472~502	6 7
	33~47	91~161	152~182 202~222	392~502 562~682	562 682~103	8 9
	51~121	180~301	242~332 362~472	822 103	153 183	10 11
	131~161	331~431	512~682	153	203~223	13
	171~241	471~561	752~103	203~223 303~333		15 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
1KV	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
	18~47	101~561	102~122	102~182	7
	56~82	681	152~182	202~222	8
	101	821~102	202~272	272~332	9
2KV	151	122~152	332	392~472	10
	181~221	182~222	392~472	562~682	11
	271~331	272~332	562	822~103	13
	391	392~562	682~103	153~183	15
		682~822	153	203	17
		101~471	102~122	102~182	7
		561~681	152~182	202~222	8
		821	202~222	272	9
3KV		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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