

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)

Y2,X1 SERIES

AC. CAPACITORS

Applications:

- For use in circuit where alternating, pulsating, intermittent and steady high voltage exist.



Approved/Recognized Type

	Related Standard	Certificate NO.	Approved Monogram
CSA (Canada)	CSA -22.2NO.1-94	LR 111243-1	
UL (USA)	UL 1414	E187963	
VDE (Germany)	EN 132 400 / IEC 60384-14 (VDE 0565 Teil 1-1)	123326	
SEMKO (Sweden)	EN 132 400 / IEC 60384-14	0021045/01-02	
SEV (Switzerland)	EN 132 400 / IEC 60384-14	00.0962	
FIMKO (Finland)	EN 132 400 / IEC 60384-14	15316	
NEMKO (Norway)	EN 132 400 / IEC 60384-14	P00100853	
DEMKO (Denmark)	EN 132 400 / IEC 60384-14	309805-01	
VDE CB	IEC 60384-14 Table II 2nd(1993)	DE1-7488	

Part Number Configuration

JY 102 K Y5P Y2
(1) (2) (3) (4) (5)

- (1) AC capacitors, safety
(2) Rated capacitance
(3) Tolerance on rated capacitance

- (4) Type code: Y5P, Y5V
(5) Class Y2

Specifications

Operating Temp. Range	-25°C to +85°C		
Rated Voltage	Applicable Standards	X1	Y2
	CSA, UL	250 VAC	
Dielectric Withstanding Voltage	SEMKO, SEV, FIMKO, NEMKO, DEMKO, VDE(0565 Teil 1-1)	400 VAC	300 VAC
	Related Standard	Test Voltage	
Dissipation Factor (D.F)	250 VAC	1500 VAC for 1 min	
	400 VAC	2600 VAC for 1 min	
Capacitance (C)	Y5P	TAN $\delta \leq 2.5\%$, measured at 1KHz $\pm 10\%$, 1.0~5.0 Vrms, 25°C	
	Y5V	TAN $\delta \leq 5.0\%$, measured at 1KHz $\pm 10\%$, 1.0~5.0 Vrms, 25°C	
Insulation Resistance (IR)	Range	10000pF. measured at 1KHz $\pm 10\%$, 1.0~5.0 Vrms, 25°C	
	Tolerance	$\pm 10\%$ Y5P $\pm 20\%$ Y5V	
Temperature Characteristics	Type Code	10000 M min, 500 V _{DC}	
	Cap. Change	Temp. Range	
	Y5P	$\pm 10\%$, max.	-25°C to +85°C
	Y5V	+30%, -80% max.	-25°C to +85°C
The reference temperature: 25°C			

Y2 SERIES

INTRODUCTION

These Ceramic Disc Capacitors are specifically designed for AC applications and meet the safety requirements of various safety standards agencies. These capacitors are ideal for across the line and line by-pass applications

FEATURES

- Ideal for across the line applications

- Compact size
- Cost effective product
- Safety standards recognized for AC applications

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GENERAL SPECIFICATIONS

Operating temperature range:	-25°C to 85°C
Capacitance range:	100pF to 10000pF
Capacitance tolerance:	K= $\pm 10\%$, M= $\pm 20\%$
Rated voltage:	125,250 and 400 V AC.Please refer to table for approval file number.
Temperature coefficient:	$\pm 10\%$ for B(Y5P), +30 to -80% for F(Y5V)
Dissipation factor (tan δ):	Y5P:2.5%max. at 25°C and 1KHz, 1 0.2Vrms. Y5V:5.0%max. at 25°C and 1KHz, 1 0.2Vrms.
Insulation resistance at 25°C :	10000M at 500V DC for 1 minute. 1500 V AC for 60 seconds-AC125V,AC250V 2600 V AC for 60 seconds-AC400V
Dielectric strength:	

CAPACITANCE AND DIMENSIONS

When ordering safety standard recognized ceramic capacitors please use the part numbers as noted above

Rated:125V AC,250V AC,400V AC for Y2

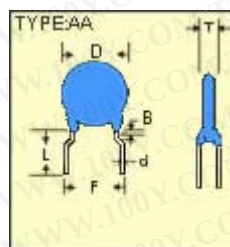
PART NUMBER	T.C.	CAP.	TOL.	DIMENSION(mm)		
				D max	F	Tmax
JY101KY5P Y2	$\pm 10\%$ (Y5P)	100PF	K $\pm 10\%$	8	7.5 ± 0.8	5
JY151KY5P Y2		150PF		8	7.5 ± 0.8	5
JY221KY5P Y2		220PF		8	7.5 ± 0.8	5
JY331KY5P Y2		330PF		8	7.5 ± 0.8	5
JY471KY5P Y2		470PF		8	7.5 ± 0.8	5
JY561KY5P Y2		560PF		8	7.5 ± 0.8	5
JY681KY5P Y2		680PF		9	7.5 ± 0.8	5
JY102KY5P Y2		1000PF		10	7.5 ± 0.8	5
JY102MY5V Y2		1000PF		8	7.5 ± 0.8	5
JY152MY5V Y2		1500PF		8	7.5 ± 0.8	5
JY222MY5V Y2	+30~-80% (Y5V)	2200PF	M $\pm 20\%$	9	7.5 ± 0.8	5
JY332MY5V Y2		3300PF		10	7.5 ± 0.8	5
JY392MY5V Y2		3900PF		11	7.5 ± 0.8	5
JY472MY5V Y2		4700PF		12	7.5 ± 0.8	5
JY682MY5V Y2		6800PF		14	9.5 ± 0.8	5
JY822MY5V Y2		8200PF		14	9.5 ± 0.8	5
JY103MY5V Y2		10000PF		17	9.5 ± 0.8	5

Dimensions and Tolerance

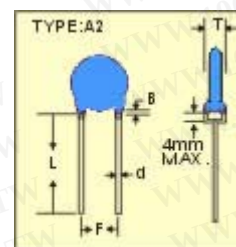
B=3.0mm max for AA or 4.0mm max for A2
 d=0.60mm ± 0.05 mm
 F=7.5 or 9.5 ± 0.8 mm
 L=5~25mm



Y2,X1 AC125V,AC250V,AC400V



Only use in short pin.



Only use in long pin.