



# AC CAPCITORSAITORS (Y2 Series)

## Y2 電容器

### Applications:

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

### Approved /Recognized Type

Related standard		Certificate No.	Approved
CSA (Canada)	CSA-22.2 No. 1-94	LR 1112453-1	
UL (USA)	UL 1414	E 18796	
VDE (Germany)	EN 132 400/IEC 60384-14 (VDE 0565 Teil 1-1)	1233763	
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)	DEL-7488	

### Part Number Configuration:

**JY** **102** **K** **Y5P** **Y2**    **(1) AC capacitors, safety**            **(4) Type code: Y5P, Y5U**  
**(1)** **(2)** **(3)** **(4)** **(5)**    **(2) Rated capacitance**                    **(5) Class Y2**  
**(3) Tolerance on rated capacitance**

### Specifications:

<b>Operating Temp. Range</b>	- 2 5 °C ~ + 8 5 °C		
<b>Rated Voltage</b>	Applicable Standards		Y2
	CSA, UL		250 V AC
<b>Dielectric Withstanding Voltage</b>	SEMKO, SEV, FIMKO, NEMKO, DEMKO,		400 V AC
	Rated Voltage		Test Voltage
	250 V AC		1500 V AC for 1min
<b>Dissipation Factor (D.F)</b>	Y5P	TANδ 2.5%, measured at 1KHz ±10%, 1.0 ~ 5.0 V rms, 25°C	
	Y5V	TANδ 5.0%, measured at 1KHz ±10%, 1.0 ~ 5.0 V rms, 25°C	
<b>Capacitance (C)</b>	Range	100pF to 10000pF. Measured at 1KHz ±10%, 1.0 ~ 5.0 V rms, 25°C	
	Tolerance	±10%	Y5P
		±20%	Y5V
<b>Insulation</b>	10000MΩ min, 500 V DC		
<b>Temperature Characteristics</b>	Type	Cap. Change	Temp. Range
	Y5P	±10%, max	-25°C to +85°C
	Y5V	+30%, -80% max	-25°C to +85°C
The reference temperature:25°C			



## Y2 SERIES

## Y2 電容器

### INTRODUCTION:

These Ceramic Disc Capacitors are specifically 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

### GENERAL SPECIFICATIONS:

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

### CAPACITANCE AND DIMENSIONS:

When ordering safety standard recognized ceramic capacitors,  
Please use the part numbers as noted below:

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

PART NUMBER	T.C.	CAP.	TOL.	DIMENSION(mm)		
				D max	F	T max
JY101KY5P Y2	±10% (Y5P)	100PF	K ±10%	8	9.5±0.8	5
JY151KY5P Y2		150PF		8	9.5±0.8	5
JY221KY5P Y2		220PF		8	9.5±0.8	5
JY331KY5P Y2		330PF		8	9.5±0.8	5
JY471KY5P Y2		470PF		8	9.5±0.8	5
JY561KY5P Y2		560PF		8	9.5±0.8	5
JY681KY5P Y2		680PF		9	9.5±0.8	5
JY102KY5P Y2		1000PF		10	9.5±0.8	5
JY102MY5V Y2	+30~-80% (Y5V)	1000PF	M ±20%	8	9.5±0.8	5
JY152MY5V Y2		1500PF		8	9.5±0.8	5
JY222MY5V Y2		2200PF		9	9.5±0.8	5
JY332MY5V Y2		3300PF		10	9.5±0.8	5
JY392MY5V Y2		3900PF		11	9.5±0.8	5
JY472MY5V Y2		4700PF		12	9.5±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 ± 0.05mm

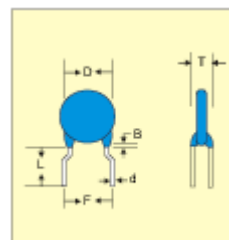
F=7.5 OR 9.5 ± 0.8mm

L=5~25mm



Y2 AC 125V, AC 250V, AC 400V

#### TYPE:A1



#### TYPE:A2

