



CHENG TUNG INDUSTRIAL CO., LTD.

晟 通 實 業 有 限 公 司

NO. 88, RUIYUAN ST, BADE DIST, TAOYUAN CITY, TAIWAN

TEL : 8 8 6 - 3 - 3 6 8 0 9 0 9

FAX : 8 8 6 - 3 - 3 7 3 1 7 1 7

SAFETY STANDARD CERAMIC CAPACITOR (Y2 Series)



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

GENERAL SPECIFICATIONS :

Operating Temperature Range :	-40 to 85°C
Capacitance Range :	10 pF to 10000 pF
Capacitance Tolerance :	K=±10%, M=±20%
Rated Voltage :	300 and 400 VAC. Please refer to table for approval file number.
Temperature Coefficient :	±10% for B (Y5P), +30 to -80% for F (Y5V)
Dissipation Factor (tan δ) :	Y5P: 2.5% max. at 25°C and 1KHz, 1±0.2 Vrms. Y5V: 5.0% max. at 25°C and 1KHz, 1±0.2 Vrms.
Insulation Resistance at 25°C :	10000MΩ at 500VDC for 1 minute.
Dielectric Strength :	1500 VAC for 60 seconds – AC300V 2600 VAC for 60 seconds – AC400V



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CAPACITANCE AND DIMENSIONS :

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

Rated : Y2, X1: AC300V AND AC400V

Dielectric strength : 1500 Vac/2600Vac

Part Number	T.C.	CAP.	TOL.	Dimension (mm)				
				D max	F	T max		
JY10KY5P Y2 to JY82KY5P Y2	±10% (Y5P)	10 pF to 82 pF	K ±10%	6.5	7.5±0.8	5		
JY101KY5P Y2		100 pF		6.5	7.5±0.8	5		
JY151KY5P Y2		150 pF		6.5	7.5±0.8	5		
JY221KY5P Y2		220 pF		6.5	7.5±0.8	5		
JY331KY5P Y2		330 pF		6.5	7.5±0.8	5		
JY471KY5P Y2		470 pF		7.5	7.5±0.8	5		
JY561KY5P Y2		560 pF		7.5	7.5±0.8	5		
JY681KY5P Y2		680 pF		7.5	7.5±0.8	5		
JY102KY5P Y2		1000 pF		10	7.5±0.8	5		
JY102MY5V Y2		+30~-80% (Y5V)		1000 pF	M ±20%	6.5	7.5±0.8	5
JY152MY5V Y2				1500 pF		7.5	7.5±0.8	5
JY222MY5V Y2	2200 pF		7.5	7.5±0.8		5		
JY332MY5V Y2	3300 pF		9.5	7.5±0.8		5		
JY392MY5V Y2	3900 pF		10	7.5±0.8		5		
JY472MY5V Y2	4700 pF		10	7.5±0.8		5		
JY682MY5V Y2	6800 pF		12	9.5±0.8		5		
JY822MY5V Y2	8200 pF		13	9.5±0.8		5		
JY103MY5V Y2	10000 pF		15	9.5±0.8		5		

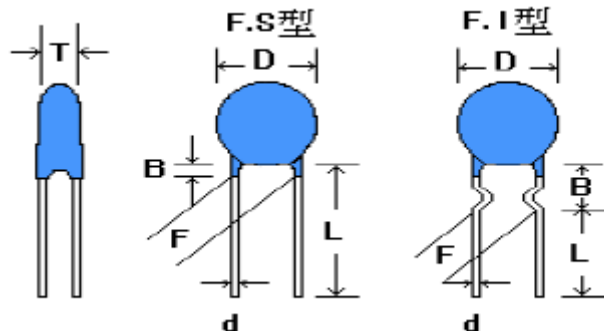
Dimensions and Tolerance

B=3.0 mm max for FS

d=0.6 mm ± 0.1 mm

F=7.5 or 9.5 ± 0.8 mm

L=5 ~ 25 mm





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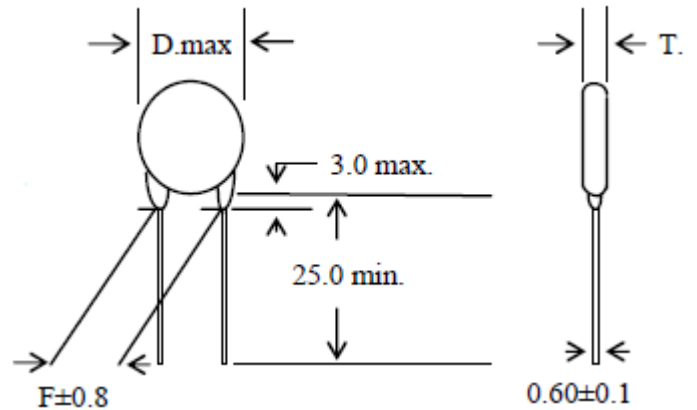
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Applications:

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



Approved / Recognized Type

Related Standard		Certificate No.	Approved Monogram	
CSA	(Canada)	UL60384-14	E187963	
UL	(USA)			
VDE	(Germany)	DIN EN 60384-14 (VDE 0565 Teil 1-1):2006-04; EN60384-14;2005-08 IEC 60384-14 (ed.3)	123326	
SEMKO	(Sweden)	EN60384-14:2005	908155	
SEV	(Switzerland)	IEC 60384-14 (ed.3):05	09.0785	
FINKO	(Finland)	EN60384-14:2005	FI 24995 A1	
NEMKO	(Norway)	EN60384-14:2005	P09211069	
DEMKO	(Denmark)	EN60384-14:2005	147932-03	
FIMKO	CB	IEC 60384-14:2005	FI 5709 A1	

Part Number Configuration :

JY 102 K Y5P Y2 (1) AC capacitors, safety (4) Type code : Y5P, Y5V
 (1) (2) (3) (4) (5) (2) Rated capacitance (5) Class Y2
 (2) Tolerance on rated capacitance



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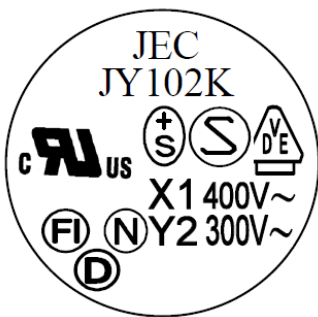
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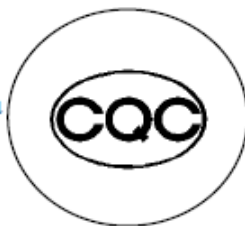
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Part Number	Safety Standard	UL	CSA	VDE VDC/CB	SEMKO	SEV	FIMKO	NEMKO	DEMKO
	Sub-Class	X1, Y2	X1, Y2	X1, Y2	X1, Y2	X1, Y2	X1, Y2	X1, Y2	X1, Y2
	Rated Vol.	X1:400 Y2:300	X1:400 Y2:300	X1:400 Y2:300	X1:400 Y2:300	X1:400 Y2:300	X1:400 Y2:300	X1:400 Y2:300	X1:400 Y2:300
JY101KY5P Y2		○	○	○	○	○	○	○	○
JY151KY5P Y2		○	○	○	○	○	○	○	○
JY221KY5P Y2		○	○	○	○	○	○	○	○
JY271KY5P Y2		○	○	○	○	○	○	○	○
JY331KY5P Y2		○	○	○	○	○	○	○	○
JY471KY5P Y2		○	○	○	○	○	○	○	○
JY561KY5P Y2		○	○	○	○	○	○	○	○
JY681KY5P Y2		○	○	○	○	○	○	○	○
JY102KY5P Y2		○	○	○	○	○	○	○	○
JY102MY5V Y2		○	○	○	○	○	○	○	○
JY152MY5V Y2		○	○	○	○	○	○	○	○
JY222MY5V Y2		○	○	○	○	○	○	○	○
JY332MY5V Y2		○	○	○	○	○	○	○	○
JY392MY5V Y2		○	○	○	○	○	○	○	○
JY472MY5V Y2		○	○	○	○	○	○	○	○
JY682MY5V Y2		○	○	○	○	○	○	○	○
JY822MY5V Y2		○	○	○	○	○	○	○	○
JY103MY5V Y2		○	○	○	○	○	○	○	○

MARKING :



Made in
The People's Republic of China
back marking



Made in the people's
republic of korea
back marking

