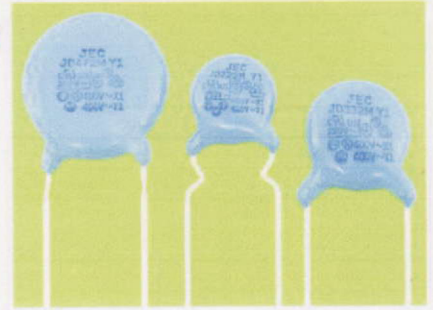


■ AC. CAPACITORS (Y1:250VAC AND 400VAC)

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-22.2 No.1	E187963	
UL (USA)	UL1414		
VDE (Germany)	EN 132 400 / IEC 60384 -14 (VDE 0565 Teil 1-1)	137027	
SEMKO (Sweden)	EN 132 400 / IEC 60384 -14	312302	
SEV (Switzerland)	EN 132 400 / IEC 60384 -14	03.1244	
FIMKO (Finland)	EN 132 400 / IEC 60384 -14	FI 17334 A1	
NEMKO (Norway)	EN 132 400 / IEC 60384 -14	P03201238	
DEMKO (Denmark)	EN 132 400 / IEC 60384 -14	136122-01/A1 136122-01	
VDE CB	IEC 60384-14 Table II 2nd (1993)	DE 1-30022	
CQC (China)	GB/T14472-1998	CQC04001009786	
EK (Korea)	K60384-14	SZ03002-6002	

Specifications:

Operating Temp. Rang		-25°C to +85°C	
Rated Voltage	Applicable Standards	X1	Y1
	CSA,UL SEMKO, SEV, FIMKO, CHINA, KOREA NEMKO, DEMKO, VDE (0565 Teil 1-1)	250 VAC	
Dielectric Withstanding Voltage	Rated Voltage	400 VAC	400 VAC
	400 VAC	Test Voltage 4000 VAC for 1 min.	
Capacitance	Range	10 pF to 4700 pF, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
Dissipation Factor (D.F)	Y5P	TAN δ ≤ 2.5%, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
	Y5U	TAN δ ≤ 2.5%, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
	Y5V	TAN δ ≤ 5.0%, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
Insulation Resistance	10000 MΩ at 500 VDC for 1minute.		
Temperature Characteristics	Type Code	Tolerance	Cap. Change
	Y5P	± 10%	+10%, -10% max.
	Y5U	± 10%, ± 20%	+22%, -56% max.
	Y5V	± 20%	+30%, -80% max.
Temp. Range			
		-25°C to +85°C	-25°C to +85°C
		-25°C to +86°C	-25°C to +86°C
The reference temperature: 25 °C			

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

Part Number Configuration :

JD 102 K Y5P Y1
 (1) (2) (3) (4) (5)

- (1) AC capacitors, safety
- (2) Rated capacitance
- (3) Tolerance on rated capacitance
- (4) Type code: Y5P, Y5U, Y5V
- (5) Class Y1

CAPACITANCE AND DIMENSIONS:

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

Rated Y1, X1: AC250V AND AC400V

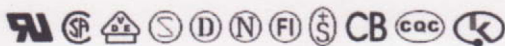
Dielectric strength: 4000Vac

PART NUMBER	T.C.	CAP.	TOL.	DIMENSION(mm)		
				D (max)	F	T (max)
JD10KY5P Y1 to JD82KY5P Y1	± 10% (Y5P)	10PF to 82PF	K ± 10%	7.0	9.5 ± 0.8	7.0
JD101KY5P Y1		100PF		7.0	9.5 ± 0.8	7.0
JD151KY5P Y1		150PF		7.0	9.5 ± 0.8	7.0
JD221KY5P Y1		220PF		8.0	9.5 ± 0.8	7.0
JD331KY5P Y1		330PF		8.0	9.5 ± 0.8	7.0
JD471KY5P Y1		470PF		7.0	9.5 ± 0.8	7.0
JD561KY5P Y1		560PF		8.5	9.5 ± 0.8	7.0
JD681KY5P Y1		680PF		9.5	9.5 ± 0.8	7.0
JD102KY5P Y1		1000PF		12.0	9.5 ± 0.8	7.0
JD102KY5UY1		1000PF		K ± 10%	9.0	9.5 ± 0.8
JD471MY5UY1	470PF	7.0	9.5 ± 0.8		7.0	
JD561MY5UY1	560PF	8.0	9.5 ± 0.8		7.0	
JD681MY5UY1	680PF	8.0	9.5 ± 0.8		7.0	
JD102MY5UY1	1000PF	M ± 20%	8.0		9.5 ± 0.8	7.0
JD152MY5UY1	1500PF		9.0		9.5 ± 0.8	7.0
JD222MY5UY1	2200PF		11.0		9.5 ± 0.8	7.0
JD332MY5UY1	3300PF		13.0		9.5 ± 0.8	7.0
JD472MY5UY1	4700PF		15.0		9.5 ± 0.8	7.0
JD102MY5V Y1	1000PF		M ± 20%		7.0	9.5 ± 0.8
JD152MY5V Y1	1500PF	8.5		9.5 ± 0.8	7.0	
JD222MY5V Y1	2200PF	9.5		9.5 ± 0.8	7.0	
JD332MY5V Y1	3300PF	11.0		9.5 ± 0.8	7.0	
JD392MY5V Y1	3900PF	11.5		9.5 ± 0.8	7.0	
JD472MY5V Y1	4700PF	13.0		9.5 ± 0.8	7.0	

Dimensions and Tolerance

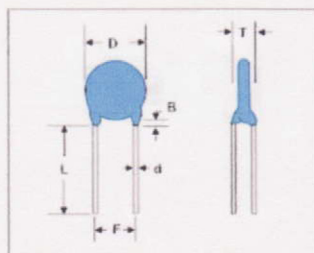
- B = 3.0 mm max for FS
- d = 0.60 mm ± 0.05 mm
- F = 7.5 or 9.5 or 12.5 ± 0.8 mm
- L = 3 ~ 33 mm.

○ According as customer's request and size.

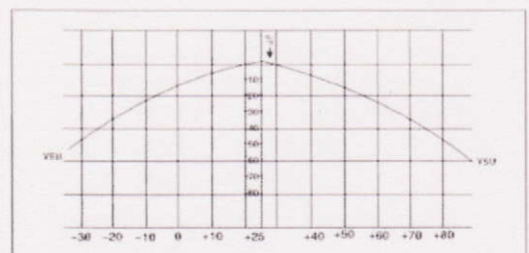


Y1, X1 AC250V, AC400V

TYPE: FS



Cap.Chang Y5U Temperature Characteristics



AC. CAPACITORS (Y2:250VAC AND 300VAC)

Applications:

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



Approved/Recognized Type

Related Standard		Certificate N O	Approved Monogram
CSA	(Canada) CSA-22.2 No.1-94	LR 111243-1	
UL	(USA) UL1414	E187963	
VDE	(Germany) EN 132 400 / IEC 60384 -14 (VDE 0565 Teil 1-1)	123326	
SEMKO	(Sweden) EN 132 400 / IEC 60384 -14	312302	
SEV	(Switzerland) EN 132 400 / IEC 60384 -14	03.1245	
FIMKO	(Finland) EN 132 400 / IEC 60384 -14	FI 153165 A1	
NEMKO	(Norway) EN 132 400 / IEC 60384 -14	P03201239	
DEMKO	(Denmark) EN 132 400 / IEC 60384 -14	135948-01/A1 309805-01	
VDE	CB IEC 60384-14 Table II 2nd (1993)	DE 1-07488-A1	
CQC	(China) GB/T14472-1998	CQC04001009787	
EK	(Korea) K60384-14	SZ03002-6001	

Specifications:

Operating Temp. Rang	-25°C to +85°C		
Rated Voltage	Applicable Standards	X1	Y2
	CSA,UL	250 VAC	
Dielectric Withstanding Voltage	SEMKO, SEV, FIMKO, CHINA, KOREA NEMKO, DEMKO, VDE (0565 Teil 1-1)	400 VAC	300 VAC
	Rated Voltage	Test Voltage	
Capacitance	Range	10 pF to 10000 pF, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
Dissipation Factor (D.F)	Y5P	TAN δ ≤ 2.5%, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
	Y5U	TAN δ ≤ 2.5%, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
	Y5V	TAN δ ≤ 5.0%, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
Insulation Resistance	10000 MΩ at 500 VDC for 1 minute.		
Temperature Characteristics	Type Code	Tolerance	Cap. Change
	Y5P	± 10%	+10%, -10% max.
	Y5U	± 10%, ± 20%	+22%, -56% max.
	Y5V	± 20%	+30%, -80% max.
Temp. Range			
-25°C to +85°C			
-25°C to +85°C			
-25°C to +86°C			
The reference temperature: 25 °C			

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

Part Number Configuration :

JY 102 K Y5P Y2 (1) AC capacitors, safety (4) Type code: Y5P, Y5U, Y5V
 (1) (2) (3) (4) (5) (2) Rated capacitance (5) Class Y2
 (3) Tolerance on rated capacitance

CAPACITANCE AND DIMENSIONS:

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

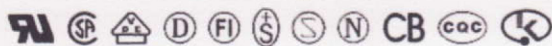
Rated Y2, X1: AC250V AND AC300V Dielectric strength: 1500Vac/2600Vac

PART NUMBER	T.C.	CAP.	TOL.	DIMENSION(mm)							
				D (max)	F	T (max)					
JY10KY5P Y2	± 10% (Y5P)	10PF	K ± 10%	6.5	7.5 ± 0.8	5.0					
JY82KY5P Y2		82PF									
JY101KY5P Y2		100PF									
JY151KY5P Y2		150PF									
JY221KY5P Y2		220PF									
JY271KY5P Y2		270PF									
JY331KY5P Y2		330PF									
JY471KY5P Y2		470PF									
JY561KY5P Y2		560PF									
JY681KY5P Y2		680PF									
JY102KY5P Y2	+22 ~ -56% (Y5U)	1000PF	K ± 10%	8.5	7.5 ± 0.8	5.0					
JY471KY5U Y2		470PF									
JY561KY5U Y2		560PF									
JY681KY5U Y2		680PF									
JY102MY5U Y2		1000PF									
JY222MY5U Y2		2200PF									
JY332MY5U Y2		3300PF									
JY472MY5U Y2		4700PF									
JY102MY5V Y2		+30 ~ -80% (Y5V)					1000PF	M ± 20%	6.5	7.5 ± 0.8	5.0
JY152MY5V Y2							1500PF				
JY222MY5V Y2	2200PF										
JY332MY5V Y2	3300PF										
JY392MY5V Y2	3900PF										
JY472MY5V Y2	4700PF										
JY562MY5V Y2	5600PF										
JY682MY5V Y2	6800PF										
JY822MY5V Y2	8200PF										
JY103MY5V Y2	10000PF										

Dimensions and Tolerance

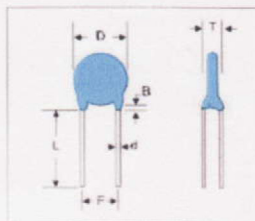
B = 3.0 mm max for FS
 d = 0.60 mm ± 0.05 mm
 F = 6.35 or 7.5 or 9.5 ± 0.8 mm
 L = 3 ~ 33 mm.

⊙ According as customer's request and size.



Y2, X1 AC250V, AC400V

TYPE: FS



Cap.Chang Y5V Temperature Characteristics

