



## AC. CAPACITORS (X1:400VAC AND Y2:300VAC)

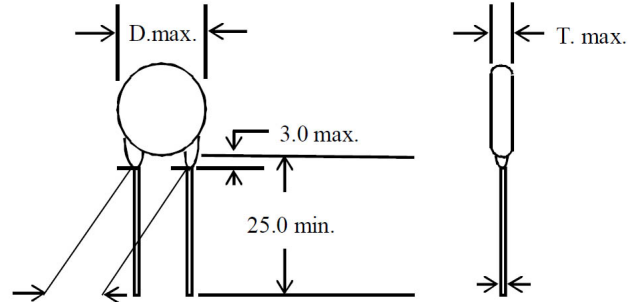
AC Line Rated Safety Standard recognized Ceramic Disc Capacitors Class X1, 400 VAC/Class Y2, 300 VAC

### FEATURES:

- Ceramic disc capacitor for AC applications.
- Safety standards recognized for AC applications.
- High reliability.
- Radial leads.
- Coating is made of flame retardant epoxy resin.

### APPLICATIONS:

- X1, Y2 according to IEC 60384-14 and other safety standards.
- Across-the-line, coupling and line by-pass.



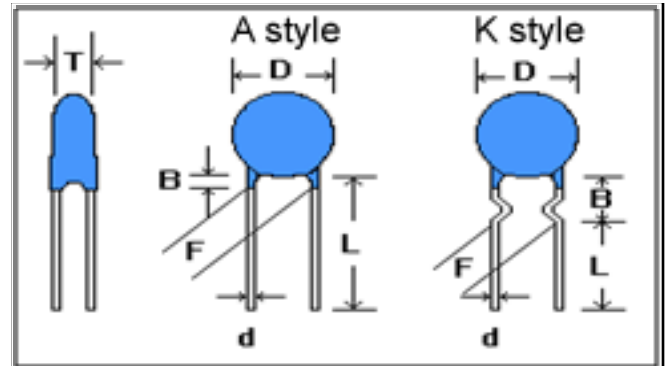
### SPECIFICATIONS:

Operating Temperature	-40°C ~ +85°C		
		X1	Y2
	CSA, UL SEMKO, SEV, FIMKO, NEMKO, DEMKO, VDE (0565 Tiel 1-1)	400 VAC	300 VAC
Dielectric Withstanding Voltage	Rated Voltage	Test Voltage	
	300 VAC 400 VAC	1500 VAC for 1 min. 2600 VAC for 1 min.	
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	
Capacitance (C)	Range	10pF to 10000pF, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
	Tolerance	±10%	Y5P, Y5U
		±20%	Y5V, Y5U
Insulation Resistance	1000MΩ min, 500 VDC		
Temperature Characteristics	Type Code	Cap. Change	Temp. Range
	Y5P	±10%, max.	-40°C to +85°C
	Y5U	+22%, -56%	-40°C to +85°C
	Y5V	+30%, -80% max.	-40°C to +85°C
The reference temperature: 25°C			

Please contact us for special case or items not listed.

### Dimensions:

B = 3.0mm max for A Style.  
 d = 0.60mm ± 0.1mm  
 F = 7.5 or 9.5mm ± 0.8mm  
 L = 3 ~ 33mm (25mm std.)



Part Number	T.C.	Cap.	Tol.	Dimension (mm)				
				D max	F	T Max		
Y5P100K252A77 to Y5P820K252A77	±10% (Y5P)	10pF to 82pF	K ±10%	6.5	7.5 ± 0.8	5		
Y5P101K252A77		100pF		6.5	7.5 ± 0.8	5		
Y5P151K252A77		150pF		6.5	7.5 ± 0.8	5		
Y5P221K252A77		220pF		6.5	7.5 ± 0.8	5		
Y5P271K252A77		270pF		6.5	7.5 ± 0.8	5		
Y5P331K252A77		330pF		6.5	7.5 ± 0.8	5		
Y5P471K252A77		470pF		7.5	7.5 ± 0.8	5		
Y5P561K252A77		560pF		7.5	7.5 ± 0.8	5		
Y5P681K252A77		680pF		7.5	7.5 ± 0.8	5		
Y5P102K252A77		1000pF		10.0	7.5 ± 0.8	5		
Y5U471K252A77		+22 ~ 56% (Y5U)		470pF	K ±10%	6.5	7.5 ± 0.8	5
Y5U561K252A77	560pF		7.5	7.5 ± 0.8		5		
Y5U681K252A77	680pF		7.5	7.5 ± 0.8		5		
Y5U102M252A57	1000pF		M ±20%	7.5	5.0 ± 0.8	5		
Y5U102M252A77	1000pF			7.5	7.5 ± 0.8	5		
Y5U222M252A77	2200pF			9.5	7.5 ± 0.8	5		
Y5U332M252A77	3300pF			11.0	7.5 ± 0.8	5		
Y5U472M252A77	4700pF			10.0	7.5 ± 0.8	5		
Y5U472M252A97	4700pF			10.0	9.5 ± 0.8	5		
Y5V102M252A77	1000pF			+30 ~ -80% (Y5V)	M ±20%	6.5	7.5 ± 0.8	5
Y5V152M252A77	1500pF					7.5	7.5 ± 0.8	5
Y5V222M252A77	2200pF	7.5	7.5 ± 0.8			5		
Y5V332M252A77	3300pF	9.0	7.5 ± 0.8			5		
Y5V392M252A77	3900pF	10.0	7.5 ± 0.8			5		
Y5V472M252A77	4700pF	10.0	7.5 ± 0.8			5		
Y5V562M252A77	5600pF	11.5	7.5 ± 0.8			5		
Y5V682M252A97	6800pF	12.0	9.5 ± 0.8			5		
Y5V822M252A97	8200pF	13.0	9.5 ± 0.8			5		
Y5V103M252A77	10000pF	15.0	7.5 ± 0.8			5		
Y5V103M252A97	10000pF	15.0	9.5 ± 0.8			5		

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# X1/Y2 Series

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Related Standard		Approved Monogram
CSA (Canada)	UL60384-14	
UL (USA)		
VDE (Germany)	DIN EN 60384-14 (VDE 0565 Teil 1-1): 2006-04; EN60384-14:2005-08 IEC 60384-14(ed.3)	
CQC (China)	IEC 60384-14:2005	
SEMKO (Sweden)	EN60384-14:2005	
SEV (Switzerland)	IEC 60384-14(ed.3):05	
FINKO (Finland)	EN60384-14:2005	
NEMKO (Norway)	EN60384-14:2005	
DEMKO (Denmark)	EN60384-14:2005	
FINKO CB	IEC 60384-14:2005	<b>CB</b>
KC	K60384-1(2006-12), K60384-14(2006-12)	

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