



X1/Y1 (125°C) Series

AC. CAPACITORS (X1:400VAC AND Y1:400VAC)

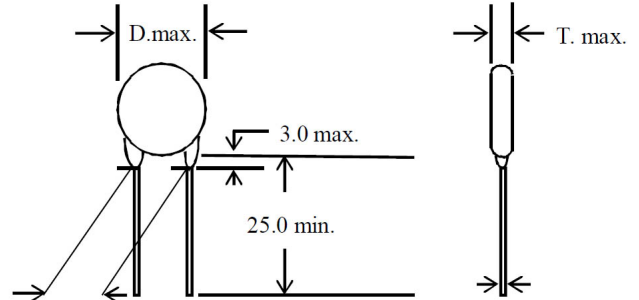
AC Line Rated Safety Standard recognized Ceramic Disc Capacitors Class X1, 400 VAC/Class Y1, 400 VAC

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, Y1 according to IEC 60384-14 and other safety standards.
- Across-the-line, coupling and line by-pass.



SPECIFICATIONS:

Operating Temperature	-40°C ~ +125°C		
		X1	Y1
	CSA, UL	400 VAC	400 VAC
	ENEC, CQC, KC, CB FI		
Dielectric Withstanding Voltage	Rated Voltage		Test Voltage
	400 VAC		4000 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	
Capacitance (C)	Range	10pF to 4700pF, measured at 1KHz ± 10%, 1.0 - 5.0 Vrms, 25°C	
	Tolerance	±10%	Y5P
		±20%	Y5U
Insulation Resistance	10,000MΩ min, 100 VDC and 1 minute electrification.		
Temperature Characteristics	Type Code	Cap. Change	Temp. Range
	Y5P	±10%, max.	-40°C to +125°C
	Y5U	+22%, -56%	-40°C to +125°C
	The reference temperature: 25°C		

Please contact us for special case or items not listed.

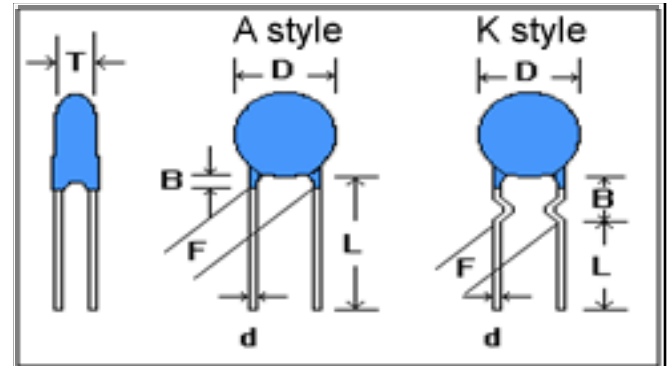
Dimensions:

B = 3.0mm max for A Style.

d = 0.60mm ± 0.1mm

F = 9.5mm ± 0.8mm

L = 3 ~ 33mm (25mm std.)



Part Number	T.C.	Cap.	Tol.	Dimension (mm)		
				D max	F	T Max
Y5P100K402A97-125 to Y5P820K402A97-125	±10% (Y5P)	10pF to 82pF	K ±10%	7.0	9.5 ± 0.8	6
Y5P101K402A97-125		100pF		7.0	9.5 ± 0.8	6
Y5P151K402A97-125		150pF		7.0	9.5 ± 0.8	6
Y5P221K402A97-125		220pF		7.0	9.5 ± 0.8	6
Y5P271K402A97-125		270pF		7.0	9.5 ± 0.8	6
Y5P331K402A97-125		330pF		8.0	9.5 ± 0.8	6
Y5P471K402A97-125		470pF		9.0	9.5 ± 0.8	6
Y5P561K402A97-125		560pF		9.0	9.5 ± 0.8	6
Y5P681K402A97-125		680pF		10.0	9.5 ± 0.8	6
Y5P102K402A97-125		1000pF		12.0	9.5 ± 0.8	6
Y5U102M402A97-125	+22 ~ -56% (Y5U)	1000pF	M ±20%	8.0	9.5 ± 0.8	6
Y5U152M402A97-125		1500pF		9.0	9.5 ± 0.8	6
Y5U222M402A97-125		2200pF		11.0	9.5 ± 0.8	6
Y5U252M402A97-125		2500pF		11.0	9.5 ± 0.8	6
Y5U272M402A97-125		2700pF		13.0	9.5 ± 0.8	6
Y5U332M402A97-125		3300pF		13.0	9.5 ± 0.8	6
Y5U392M402A97-125		3900pF		15.0	9.5 ± 0.8	6
Y5U472M402A97-125		4700pF		15.0	9.5 ± 0.8	6



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Related Standard		Approved Monogram
CSA (Canada)	UL60384-14	
UL (USA)		
ENEC (Fimko)	EN 60384-12:2005(safety test)	
CQC (China)	IEC 60384-14:2005	
CB FI (Fimko)	IEC 60384-14:2005	
KC (Korea)	K60384-1(2006-12), K60384-14(2006-12)	

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