

CT71 (Y1,Y2) AC Series ceramic capacitors

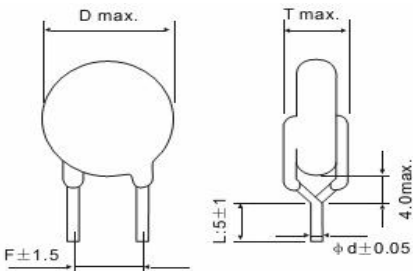
- The capacitor is round chip, epoxy resin of prevention burn package seal, round wire lead out of one direction and.
- This capacitor has characteristics of safe apply, high test voltage alternation, The low dielectric loss Features with UL 94 V-0.
- The Type ACY capacitors are ideal for using in line by-pass, antenna coupling, across the line application Safety standards



Specifications

Item	Performance Characteristics	
Operating temperature rang	- 40 ~+85℃	
Rated voltage range	250V.AC UL SEMKO SEV FIMKO NEMKO DEMKO VDE(0565-1) 400V.AC SEMKO SEV VDE(0560-2)CCEE	
Nominal capacitance range	100pF ~ 10000pF	
Capacitance tolerance	K= ±10% M= ±20%	
Dissipation factor (tan δ)	Y5P(B) 2.5% max at 20℃ and 1KHz, 1±0.2V rms.	Y5U(E) 3.0% max at 20℃ and 1KHz, 1±0.2V rms.
Dielectric strength	X1 Y2 2600VAC for 60 seconds.	X1 Y1 4000VAC for 60 seconds.
Temperature coefficient	X1 Y2 Y5P(B) ±10% Y5P(E) -80 to +30%	X1 Y1 Y5P(B) ±10% Y5U(E) -55 to +20%
Insulation resistance at 20℃	10000MΩ at 500VDC for 1 minute	

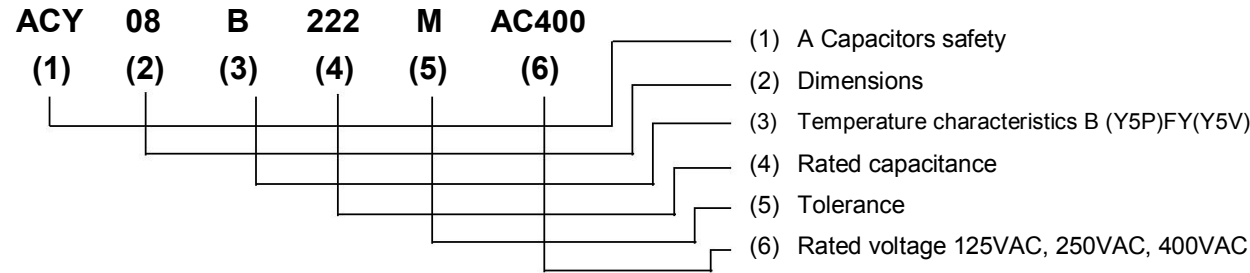
Case size table



Unit: (mm)

Code	A2	A3	A4	A5
F (mm)	5	7.5	10	12.5
L (mm)	20 min			
d (mm)	0.6			
e (mm)	4.0 max			

Part number configuration



Approval, Standard ad file number

Related Standard		Certificate No	Approved Monogram	
CSA	CSA-22.2 No.1.94	LR111243-1	 250~	Canada
UL	UI1414	E187963		USA
VDE	En132 400/IEC 384-14(VDE 0565 Teil 1-1)	104814		Germany
SEMKO	En132 400/IEC 384-14	9747121/01-02	 JT502	Sweden
SEV	En132 400/IEC 384-14	98, 7 70005, 01		Switzerland
FIMKO	En132 400/IEC 384-14	197202-01		Finland
REMKO	En132 400/IEC 384-14	P97102912		Norway
DEMKO	En132 400/IEC 384-14	307208		Denmark
CQC	GB/T14472-1998	CQC04001009818		(China)

● **Capacitor range and diameter**

基础绝缘型 Rated (125VAC,250VAC,400VAC)

Basic insulation or reinforced insulation, Rated (125VAC, 250VAC, 400VAC)

Product No.	Temp. char	Cap Value(PF)	Cap, Tol	Dimensions mm			Diameter d
				D (max)	F (Spacing)	T(max)	
Y ₂ 08B101KAC	Y5P(B) ±10%	100PF	K ±10 %	8	7.5	6.0	6.0
Y ₂ 08B151KAC		150PF		8			
Y ₂ 08B221KAC		220PF		8			
Y ₂ 08B331KAC		330PF		8			
Y ₂ 08B471KAC		470PF		8			
Y ₂ 08B561KAC		560PF		10			
Y ₂ 08B102KAC		1000PF		12			
Y ₂ 08E102MAC	Y5U(E) +22% ~ -56%	1000PF	M ± 20%	8	7.5	6.0	6.0
Y ₂ 08E152MAC		1500PF		9			
Y ₂ 10E222MAC		2200PF		10			
Y ₂ 12E332MAC		3300PF		12			
Y ₂ 14E472MAC		4700PF		16			
Y ₂ 08F102MAC	Y5V(F) -80%~ +30%	1000PF	M ± 20%	10	7.5	6.0	6.0
Y ₂ 10F152MAC		1500PF		10			
Y ₂ 12F222MAC		2200PF		12			
Y ₂ 14F272MAC		2700 PF		14	10		
Y ₂ 16F332MAC		3300PF		16			
Y ₂ 16F472MAC		4700PF		16			
Y ₂ 18F103MAC		10000PF		18			

Rated Y1, X1: AC400V

Part Number	Temp. char	Cap Value(PF)	Cap, Tol	Dimensions mm		
				D (max)	F (Spacing)	T(max)
Y ₁ JD101K Y5P	Y5P (B) ±10%	100PF	K ± 10%	8	9.5 ± 0.8	8.0
Y ₁ JD151K Y5P		150PF		8		
Y ₁ JD221K Y5P		220PF		8		
Y ₁ JD331K Y5P		330PF		9		
Y ₁ JD471K Y5P		470PF		10		
Y ₁ JD561K Y5P		560PF		10		
Y ₁ JD681K Y5P		680PF		12		
Y ₁ JD102K Y5P		1000PF		14		
Y ₁ JD102M Y5U	Y5U (E) +22% ~ -56%	1000PF	M ± 20%	8		
Y ₁ JD152M Y5U		1500PF		9		
Y ₁ JD222M Y5U		2200PF		12		
Y ₁ JD332M Y5U		3300PF		14		
Y ₁ JD392M Y5U		3900PF		14		
Y ₁ JD472M Y5U		4700PF		16		
Y ₁ JD102M Y5V	Y5V (F) -80%~ +30%	1000PF	M ± 20%	10		
Y ₁ JD152M Y5V		1500PF		10		
Y ₁ JD222M Y5V		2200PF		12		
Y ₁ JD332M Y5V		3300PF		14		
Y ₁ JD392M Y5V		3900PF		16		
Y ₁ JD472M Y5V		4700PF		16		