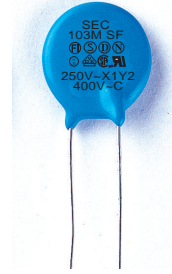


T402 TYPE CLASS X1/Y1

AC RATED CERAMIC CAPACITORS 250VAC, 400VAC

Applications:

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



Specifications :

Operating Temp. Range	-30°C to 125°C			
Rated Voltage	Applicable Standards	Rated Voltage		
	CSA,UL,SEMKO,SEV,FIMKO, NEMKO,DEMKO,VDE	250VAC		
	SEMKO,SEV,VDE(0560-2)	400VAC		
Dielectric Withstanding Voltage	Rated Voltage	Test Voltage		
	250VAC, 400VAC	4000VAC for 1 minute		
Dissipation Factor(DF)	SB(Y5P)	tan δ ≤ 2.5%, measured at 1KHz±10%, 1.0~5.0Vrms, 25°C		
	SF(Y5U)	tan δ ≤ 5.0%, measured at 1KHz±10%, 1.0~5.0Vrms, 25°C		
Capacitance(C)	Range	100pF to 4700pF, Measured at 1KHz±10%, 1.0~5.0Vrms, 25°C		
	Tolerance	K	±10%	Y5P
		M	±20%	Y5P, Y5U
Insulation Resistance(IR)	10000MΩ min. measured at 500VDC			
Temperature Characteristics	Type Code	Char.	Cap.Change	Temp.Range
	SB	Y5P	±10%,max	-30 to 85°C
	SE	Y5U	+22,-56%max.	-30 to 85°C
The reference temperature: 25°C				

MARKING :

*Taiwan Factory

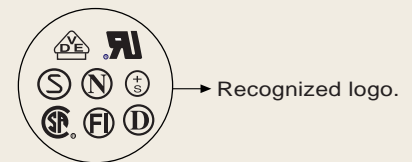
*China Factory

- (1). Body diameter ≤ 10.0mm max. adopt both sides marking (Example)

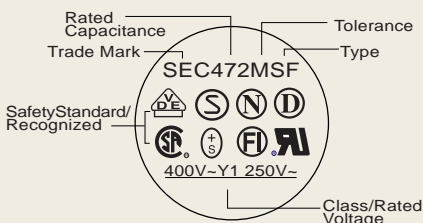
FRONT :



BACK :



- (2). Body diameter over Ø10.0 mm adopt one side marking (shown as Taiwan Factory).





Dimensions (mm):

T402 TYPE Rated 250VAC, 400VAC

TYPE	Part Number	Temp.Char.	Cap.Value (Pf)	MAX. Diameter	MAX. Thickness	Lead Spacing
SB	5SB101KT402A97	Y5P	100	8.0	6.0	9.5(10)
	5SB151KT402A97	Y5P	150	8.0	6.0	9.5(10)
	5SB221KT402A97	Y5P	220	8.0	6.0	9.5(10)
	5SB271KT402A97	Y5P	270	8.0	6.0	9.5(10)
	5SB331KT402A97	Y5P	330	8.0	6.0	9.5(10)
	5SB391KT402A97	Y5P	390	10.0	6.0	9.5(10)
	5SB471KT402A97	Y5P	470	10.0	6.0	9.5(10)
	5SB561KT402A97	Y5P	560	11.0	6.5	9.5(10)
	5SB681KT402A97	Y5P	680	11.0	6.5	9.5(10)
	5SB821KT402A97	Y5P	820	12.0	6.5	9.5(10)
	5SB102KT402A97	Y5P	1000	12.5	6.5	9.5(10)
	5SB152KT402A97	Y5P	1500	16.0	6.5	9.5(10)
5SB222KT402A97	Y5P	2200	16.0	6.5	9.5(10)	
SE	5SE102MT402A97	Y5U	1000	9.0	6.5	9.5(10)
	5SE152MT402A97	Y5U	1500	11.0	6.5	9.5(10)
	5SE222MT402A97	Y5U	2200	12.5	6.5	9.5(10)
	5SE332MT402A97	Y5U	3300	14.0	6.5	9.5(10)
	5SE392MT402A98	Y5U	3900	15.0	7.0	9.5(10)
	5SE472MT402A98	Y5U	4700	16.0	7.0	9.5(10)