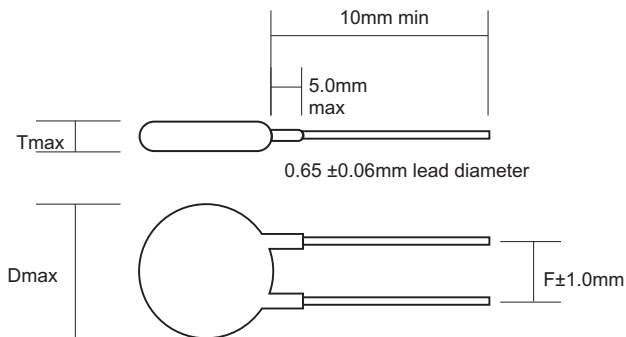


### INTRODUCTION

For use in circuits where alternating, pulsating, intermittent and steady high voltage exist.

### DIMENSIONS



### SPECIFICATION

Technical Data		Specification		
Operating Temperature Range	-30°C ~ +85°C or -30°C ~ +125°C			
Rated Voltage	Applicable Standards	Rated Voltage		
	CSA, UL	125VAC		
	CSA, UL, SEMCO, SEV, FIMKO, NEMKO, DEMKO, VDE(0565-1)	250VAC		
	SEMCO, SEV, VDE(0560-2)	400VAC		
Dissipation Factor (D, F)	Y5P, Y5U	tan <2.5%, measured at 1KHz±10%, 1.0-5.0Vrms, 25°C		
	Y5V	tan <5.0%, measured at 1KHz±10%, 1.0-5.0Vrms, 25°C		
Capacitance	Range	100pf to 10000pf, measured at 1KHz ±10%, 1.0 - 5.0Vrms, 25°C		
	Tolerance	K ±10%	Y5P	
		M ±20%	Y5P, Y5U, Y5V	
		Z +80, -20%	Y5V	
Insulation Resistance (IR)	10000M at 500VDC			
Temperature Characteristics	Characteristic	Cap Range	Temp. Range	EIA Code
	SB	±10% max	-30 to +85°C	Y5P
	SE	+22, -55% max	-30 to +85°C	Y5U
	SF	+22, -82% max	-30 to +85°C	Y5V
	Reference Temperature = 25°C			

Standard No.	Recognized No.	Class/Rated Voltage	Approved Monogram	Country
UL 1414	E 114280	125VAC		USA
	LR 82827	250VAC		
CSA 22.2 N0.0,1	94680	125VAC		CANADA
	94681	Y1/X1,250VAC		
VDE 0560-2	94680	400VAC		GERMANY
	94681	400VAC		
VDE 0565-1	87495	Y2,250VAC		GERMANY
	89780	Y2,250VAC		
	121379	Y1/X1, 250VAC		
	118218	Y1/X1, 250VAC		
SEV	95,7 70531,01	Y2,250VAC		SWITZERLAND
	95,7 70743,01	Y2,250VAC		
	95,6 60037,01	X1, 400VAC		
	95,7 70323,02	X1, 400VAC		
	99,6 60001,01	Y1/X1,250VAC		
	99,6 60001,02	Y1/X1,250VAC		
SEMKO	9535018	Y2,250VAC		SWEDEN
	9526010	Y2,250VAC		
	9436088	X1, 400VAC		
	985118/01,02	Y1/X1,250VAC		
FIMKO	195704-01	Y2,250VAC		FINLAND
	195703-01	Y2,250VAC		
	12326	Y1/X1,250VAC		
DEMKO	304521	Y2,250VAC		DENMARK
	304318	Y2,250VAC		
	308261	Y1/X1,250VAC		
NEMKO	P95103317	Y2,250VAC		NORWAY
	P95103074	Y2,250VAC		
	P98102923	Y1/X1,250VAC		

**DIMENSIONS (mm): X1/Y2, -30°C to +85°C**  
125, 250 & 400VAC RATED  
2500VAC test for 1 minute

Part Number	Temp. Char.	Cap. Value (pf)	Max. Diam (D)	Max Thick (T)	Standard Lead Spacing (F)
5SB101KT252A67	Y5P	100	7.0	6.5	6.35 / 7.5
5SB151KT252A67	Y5P	150	7.0	6.5	6.35 / 7.5
5SB221KT252A67	Y5P	220	7.0	6.5	6.35 / 7.5
5SB271KT252A67	Y5P	270	7.0	6.5	6.35 / 7.5
5SB331KT252A67	Y5P	330	9.0	6.5	6.35 / 7.5
5SB391KT252A67	Y5P	390	9.0	6.5	6.35 / 7.5
5SB471KT252A67	Y5P	470	9.0	6.5	6.35 / 7.5
5SB561KT252A67	Y5P	560	10.0	7.5	6.35 / 7.5
5SB681KT252A67	Y5P	680	10.0	7.5	6.35 / 7.5
5SB821KT252A67	Y5P	820	12.0	7.5	6.35 / 7.5
5SB102KT252A67	Y5P	1000	12.0	7.5	6.35 / 7.5
5SB152KT252A97	Y5P	1500	14.0	7.5	9.5
5SB222KT252A97	Y5P	2200	15.0	7.5	9.5
5SE102MT252A67	Y5U	1000	9.0	6.5	6.35 / 7.5
5SE152MT252A67	Y5U	1500	10.0	6.5	6.35 / 7.5
5SE222MT252A67	Y5U	2200	12.0	6.5	6.35 / 7.5
5SE332MT252A97	Y5U	3300	14.0	7.5	9.5
5SE472MT252A97	Y5U	4700	16.0	7.5	9.5
5SF102MT252A67	Y5V	1000	8.0	6.5	6.35 / 7.5
5SF152MT252A67	Y5V	1500	9.0	6.5	6.35 / 7.5
5SF222MT252A67	Y5V	2200	10.0	6.5	6.35 / 7.5
5SF332MT252A97	Y5V	3300	13.0	7.5	9.5
5SF472MT252A97	Y5V	4700	13.0	7.5	9.5
5SF682MT252A97	Y5V	6800	15.0	7.5	9.5
5SF822MT252A97	Y5V	8200	17.0	7.5	9.5
5SF103MT252A97	Y5V	10000	17.0	7.5	9.5

**DIMENSIONS (mm): X1/Y1, -30°C to +125°C**  
250 & 400VAC RATED  
4000VAC test for 1 minute

Part Number	Temp. Char.	Cap. Value (pf)	Max. Diam (D)	Max Thick (T)	Standard Lead Spacing (F)
5SB101KT402A97	Y5P	100	10.0	8.0	9.5
5SB151KT402A97	Y5P	150	10.0	8.0	9.5
5SB221KT402A97	Y5P	220	10.0	8.0	9.5
5SB271KT402A97	Y5P	270	10.0	8.0	9.5
5SB331KT402A97	Y5P	330	10.0	8.0	9.5
5SB391KT402A97	Y5P	390	10.0	8.0	9.5
5SB471KT402A97	Y5P	470	11.0	8.0	9.5
5SB561KT402A97	Y5P	560	13.0	8.0	9.5
5SB681KT402A97	Y5P	680	13.0	8.0	9.5
5SB821KT402A97	Y5P	820	13.0	8.0	9.5
5SB102KT402A97	Y5P	1000	14.0	8.0	9.5
5SB152KT402A97	Y5P	1500	16.0	8.0	9.5
5SB222KT402A97	Y5P	2200	19.0	8.0	9.5
5SE102MT402A97	Y5U	1000	10.0	8.0	9.5
5SE152MT402A97	Y5U	1500	12.0	8.0	9.5
5SE222MT402A97	Y5U	2200	13.0	8.0	9.5
5SE332MT402AL7	Y5U	3300	15.0	8.0	9.5
5SE392MT402A98	Y5U	3900	17.0	8.0	9.5
5SE472MT402A98	Y5U	4700	17.0	8.0	9.5

Other lead styles are available, see C1BB01  
Ceramic Disc Capacitor Packaging & Lead Code