

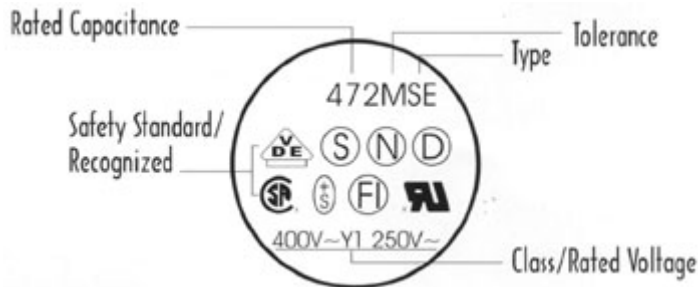
## CERAMIC CAPACITORS: CLASS X1/Y1

### APPLICATIONS:

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

<b>Operating Temp. Range</b>	-30°C to 125°C		
<b>Rated Voltage</b>	Applicable Standards		Rated Voltage
	CSA, UL, SEMKO, SEV, FIMKO, NEMKO, DEMKO, VDE		250VAC
	SEMKO, SEV, VDE(0560-2)		400VAC
<b>Dielectric Withstanding Voltage</b>	Rated Voltage		Test Voltage
	250VAC, 400VAC		4000VAC for 1 minute
<b>Dissipation Factor (DF)</b>	Y5P, Y5U	tan δ ≤ 2.5%, measured at 1KHz ± 10%, 1.0~5.0Vrms, 25°C	
	Y5V	tan δ ≤ 2.5%, measured at 1KHz ± 10%, 1.0~5.0Vrms, 25°C	
<b>Capacitance (C)</b>	Range		100pF to 4700pF, measured at 1KHz ± 10%, 1.0~5.0Vrms, 25°C
	Tolerance	K	± 10%      Y5P
		M	± 20%      Y5P, Y5U
<b>Insulation Resistance (IR)</b>	10000M Ω min, measured at 500VDC		
<b>Temperature Characteristics</b>	Char.	Cap. Change	Temp. Range
	Y5P	± 10%, max.	-30°C to 125°C
	Y5U	+22%, -56%, max.	-30°C to 125°C
	The reference temperature: 25°C		

### MARKING:



### DIMENSIONS (mm):

TYPE	PART NUMBER	TEMP. CHAR.	CAP. VALUE (pF)	MAX DIAMETER	MAX THICKNESS	LEAD SPACING
Y5P	Y5P101K402A97	Y5P	100	10.0	8.0	6.35(7.5)
	Y5P151K402A97	Y5P	150	10.0	8.0	6.35(7.5)
	Y5P221K402A97	Y5P	220	10.0	8.0	9.5(10)
	Y5P271K402A97	Y5P	270	10.0	8.0	9.5(10)
	Y5P331K402A97	Y5P	330	10.0	8.0	9.5(10)
	Y5P391K402A97	Y5P	390	10.0	8.0	9.5(10)
	Y5P471K402A97	Y5P	470	11.0	8.0	9.5(10)
	Y5P561K402A97	Y5P	560	13.0	8.0	9.5(10)
	Y5P681K402A97	Y5P	680	13.0	8.0	9.5(10)
	Y5P821K402A97	Y5P	820	13.0	8.0	9.5(10)
	Y5P102K402A97	Y5P	1000	14.0	8.0	9.5(10)
	Y5P152K402A97	Y5P	1500	16.0	8.0	9.5(10)
Y5P222K402A97	Y5P	2200	19.0	8.0	9.5(10)	
Y5U	Y5U102K402A97	Y5U	1000	10.0	8.0	9.5(10)
	Y5U152K402A97	Y5U	1500	12.0	8.0	9.5(10)
	Y5U222K402A97	Y5U	2200	13.0	8.0	9.5(10)
	Y5U332K402A97	Y5U	3300	15.0	8.0	9.5(10)
	Y5U392K402A98	Y5U	3900	17.0	8.0	9.5(10)
	Y5U472K402A98	Y5U	4700	17.0	8.0	9.5(10)

Please contact us for special case or items not listed.