

CERAMIC CAPACITORS AC, Y1 Series

• Part Number Description

Material Type	T.C.	Rated Capacitance	Cap. Tol.	Rated Voltage
(1)	(2)	(3)	(4)	(5)
Example: Y1 B 101 K ,			AC400V	



(1) **Material Type** : Y1 capacitor
 (2) **Disc Size (D)** : Diameter in

(3) **T.C · (Temperature Characteristics)** : B: ± 10%, E: +20%-55%.

(4) **Rated Capacitance in (pF)** : The first two digits are the significant figures of capacitance and the third digit denotes the number of following zeros.

Code	101	102	472
pF	100	1,000	4,700

(5) **Capacitance Tolerance** : K: ± 10%, M: ± 20%

(6) **Rated Working Voltage** : in Volts (V), AC

• Specifications

Operation Temperature Range	-25°C ~ +125°C
Rated Working Voltage	400V (AC)
Capacitance	Measured at 25C, 1KH z, 5V rms. max.
Capacitance Tolerance	K: ± 10%, M: ± 20%
Insulation Resistance	10,000MQ mim. at 500V ± 50V DC for 60 sec.
Dissipation Factor (D.F.)	2.5% max. for TC: B 5.0% max. for TC: E
Dielectric Strength	4000V AC for 60 sec. (50Hz or 60Hz)
Temperature Characteristic	B: ± 10%, E: +20%-55%.

Dimensions & Standard items

unit: mm

Part Number	T.C.	Cap.(pF)	Tol.	D(max)	F	T(max)
STY1B101KAC400V	B	100	± 10%	10	10	8
STY1B101MAC400V	B	100	± 20%	10	10	8
STY1B151KAC400V	B	150	± 10%	10	10	8
STY1B151MAC400V	B	150	± 20%	10	10	8
STY1B221KAC400V	B	220	± 10%	10	10	8
STY1B221MAC400V	B	220	± 20%	10	10	8
STY1B331KAC400V	B	330	± 10%	10	10	8
STY1B331MAC400V	B	330	± 20%	10	10	8
STY1B471KAC400V	B	470	± 10%	10	10	8
STY1B471MAC400V	B	470	± 20%	10	10	8
STY1B681KAC400V	E	680	± 10%	10	10	8
STY1E102MAC400V	E	1000	± 20%	11	10	8
STY1E152MAC400V	E	1500	± 20%	14	10	8
STY1E222MAC400V	E	2200	± 20%	14	10	8
STY1E332MAC400V	E	3300	± 20%	16	10	8
STY1E472MAC400V	E	4700	± 20%	19	10	8