



## CERAMIC CAPACITORS AC, Y1 Series



### • Part Number Description

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

(1) **Material Type:** Y1 capacitor

(2) **Disc Size (D):** Diameter in mm.

(3) **T.C. • (Temperature Characteristics):** B:  $\pm 10\%$ , 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.

<b>Code</b>	<b>101</b>	<b>102</b>	<b>472</b>
<b>pF</b>	100	1,000	4,700

(5) **Tolerance:** K:  $\pm 10\%$ , M:  $\pm 20\%$

(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: $\pm 10\%$ , M: $\pm 20\%$
Insulation Resistance	10,000MQ mim. at 500V $\pm$ 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: $\pm 10\%$ , E: +20%-55%.

**Dimensions & Standard items****unit: mm**

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

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