

CERAMIC CAPACITORS

AC, Y1 Series 陶瓷電容器 Y1系列



● Part Number Description 料號描述

Material Type	T.C.	Rated Capacitance	Cap. Tol.	Rated Voltage
(1)	(2)	(3)	(4)	(5)

Example: Y1 B 101 K AC400V

(1) Material Type 材質類別 : Y1 capacitor

(2) Disc Size (D) 瓷片尺寸 : Diameter in mm.

(3) T.C. (Temperature Characteristics) 溫度係數 : B: $\pm 10\%$, E: +20%-55%.

(4) Rated Capacitance in (pF) 電容值 : The first two digits are the significant figures of capacitance and the third digit denotes the number of following zeros. 第一和二位數代表電容之基本讀數, 第三位數代表基本讀數後面加幾個零。

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

(5) Capacitance Tolerance 電容誤差值 : K: $\pm 10\%$, M: $\pm 20\%$

(6) Rated Working Voltage 工作電壓 : in Volts (V), AC

● Specifications 規格

Operation Temperature Range 操作溫度範圍	-25°C ~ +125°C
Rated Working Voltage 工作電壓	400V (AC)
Capacitance 電容值	Measured at 25°C, 1KHz, 5V rms. max.
Capacitance Tolerance 電容誤差值	K: $\pm 10\%$, M: $\pm 20\%$
Insulation Resistance 絕緣電阻值	10,000M Ω min. at 500V \pm 50V DC for 60 sec.
Dissipation Factor (D.F.) 散逸因子	2.5% max. for TC: B 5.0% max. for TC: E
Dielectric Strength 介質強度	4000V AC for 60 sec. (50Hz or 60Hz)
Temperature Characteristic 溫度係數	B: $\pm 10\%$, E: +20%-55%.

● Dimensions & Standard items 尺寸和常用規格

Unit: mm

Part Number 料號	T.C. 溫度係數	Cap.(pF) 電容值	Tol. 電容誤差值	D(max) 直徑	F 腳距	T(max) 厚度
Y1B101KAC400V	B	100	$\pm 10\%$	10	10	8
Y1B101MAC400V	B	100	$\pm 20\%$	10	10	8
Y1B151KAC400V	B	150	$\pm 10\%$	10	10	8
Y1B151MAC400V	B	150	$\pm 20\%$	10	10	8
Y1B221KAC400V	B	220	$\pm 10\%$	10	10	8
Y1B221MAC400V	B	220	$\pm 20\%$	10	10	8
Y1B331KAC400V	B	330	$\pm 10\%$	10	10	8
Y1B331MAC400V	B	330	$\pm 20\%$	10	10	8
Y1B471KAC400V	B	470	$\pm 10\%$	10	10	8
Y1B471MAC400V	B	470	$\pm 20\%$	10	10	8
Y1B681KAC400V	E	680	$\pm 10\%$	10	10	8
Y1E102MAC400V	E	1000	$\pm 20\%$	11	10	8
Y1E152MAC400V	E	1500	$\pm 20\%$	14	10	8
Y1E222MAC400V	E	2200	$\pm 20\%$	14	10	8
Y1E332MAC400V	E	3300	$\pm 20\%$	16	10	8
Y1E472MAC400V	E	4700	$\pm 20\%$	19	10	8