Y1 & Y2 SAFETY CAPACITORS
Safety Standard Certified Ceramic Capacitors

Features

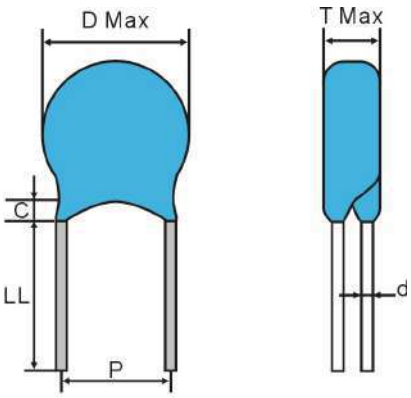
Ideal for across the line applications

Compact size

Cost effective product

RoHS and Reach Compliant

Safety standards recognized



C: 3mm max
LL: 16mm min
d: 0.7+/-0.05mm

Specifications

OPERATING TEMPERATURE RANGE	-40℃ TO +125℃
CAPACITANCE RANGE	100pF to 10000pF
CAPACITANCE TOLERANCE	±10%, ±20%, +80-20%
RATED VLOTAGE	X1Y1 : X1~500VAC ; Y1~500VAC X1Y2 : X1~440VAC ; Y2~300VAC
TEMPERATURE COFFICIENT	±10% for Y5P, -56% to 22% for Y5U, -82% to 22% for Y5V
DISSIPATION FACTOR (tan δ)	B: 2.5% max. at 20℃ and 1 KHz, 1±0.2Vrms.
INSULATION RESISTANCE AT 20℃	FY: 50max. at 20℃ and 1 KHz, 1±0.2 Varms.
DIELECTRIC STRENGTH	10000mΩat 500VDC for 1 minute. 2600 VAC for 60 seconds. (300VAC) 4000 VAC for 60 seconds. (500VAC)

Dimensions

CE Y2 300VAC

Capacitance pF	Temp Char	Tol.	Dimension (mm)		
			D max	T max	P±1
100pF~330pF	2B ±10% (Y5P)	±10%	7	5	7.5
470pF			7	5	7.5
680pF			10	5	7.5
1000pF			10	5	7.5
1000pF	2E -56% to 22% (Y5U)	±20%	8	5	7.5
1500pF			9	5	7.5
2200pF			10	5	7.5
3300pF			12	5	10
4700pF			14	5	10
1000pF	2F -82% to 22% (Y5V)	±20%	8	5	7.5
1500pF			9	5	7.5
2200pF			8	5	7.5
3300pF			9	5	7.5
4700pF			11	5	7.5
0.01uF			14	5	10

CD Y1 500VAC

Capacitance pF	Temp Char	Tol.	Dimension (mm)		
			D max	Tmax	P±1
100pF	2B ±10% (Y5P)	±10%	7	6	10
150pF~220pF			7	6	10
330pF			8	6	10
470pF			9	6	10
1000pF			13	6	10
330pF~470pF	2E -56% to 22% (Y5U)	±10%	7	6	10
1000pF		±20%	8.5	6	10
1500pF			10	6	10
2200pF			11	6	10
3300pF			14.5	6	10
4700pF			17	6	10
1000pF	2F -82% to 22% (Y5V)	±20%	8	6	10
1500pF			9	6	10
2200pF			9	6	10
3300pF			11	6	10
4700pF			13	6	10

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Packing Quantity

Part No.	Number（PCS/bag）
Y1 ¢ < = 10	500
Y1 ¢ 10 above	250
Y2 ¢ < = 7	1000
Y2 ¢ 7 above	500

Storage Conditions

Storage temperature：≤35℃。

Stockage Humidity：≤70% RH。

Keep away form corrosive atmosphere and sunlight。

Period of storage：1 year。

How to order

Y1	U	222	M	A500	8100	B	000

Type

Y1
Y2

Material Code

Code for Dielectrics

U: Y5U
Z: Y5V
P: Y5P
S : SL

Capacitance Code

pF Code: 1st two digits represent significant figures
3rd digit represents multiplier (number of zeros to follow)

100= 10pF
470= 47pF
222= 2200pF

Tolerance

M: +/-20%

K: +/-10%
M: +/-20%

Rated Voltage

For AC Voltage

A500: 500VAC
A300: 300VAC

Shap & Size Code

8100: Lead style 8 and 10mm ptich

First code represent lead style code.

The following 3 digits represent pitch size

100: pitch size 10mm
050: pitch size 5mm

Package Code

A: Ammo Taped

B: Bulk
R: Tape & Reel

Suffix Indicate Special Requirement

000: Indicating Standard

If for cut leads or long leads:
000: mean standard LL
035: cut leads to 3.5mm
040: cut leads to 4mm
250: 25mm long leads

Drawing of capacitors lead styles For Y1/Y2

Lead shape Code "0" Straight lead (Standard)	Lead shape Code "2" Outside kinked	Lead shape Code "8" Y kinked