



AC CAPCAITORS (Y1 Series)

Y1 電容器

Applications:

For use in circuit where alternating, pulsating,
Intermittent and steady high voltage exist

Approved /Recognized Type

Related standard		Certificate No.	Approved Monogram
CSA (Canada)	CSA-22.2 No. 1-98	E 187963	
UL (USA)	UL 1414		
VDE (Germany)	EN 132 400/IEC 60384-14 (VDE 0565 Teil 1-1)	137027	
SEMKO (Sweden)	EN 132 400/IEC 60384-14	0137189 / 01-02	
SEV (Switzerland)	EN 132 400/IEC 60384-14	01.0984	
FIMKO (Finland)	EN 132 400/IEC 60384-14	17334	
NEMKO (Norway)	EN 132 400/IEC 60384-14	200104246	
DEMKO (Denmark)	EN 132 400/IEC 60384-14	310971-01	
NEMKO CB	IEC 60384-14 Table II 2nd(1993)	12607	

Part Number Configuration:

<u>JD</u>	<u>102</u>	<u>K</u>	<u>Y5P</u>	<u>Y1</u>	(1) AC capacitors, safety	(4) Type code: Y5P, Y5U
(1)	(2)	(3)	(4)	(5)	(2) Rated capacitance	(5) Class Y1
						(3) Tolerance on rated capacitance

Specifications:

Operating Temp. Range	- 25 °C ~ + 85 °C		
Rated Voltage	Applicable Standards		Y1
	CSA, UL		250 V AC
	SEMKO, SEV, FIMKO, NEMKO, DEMKO, VDE(0565 Teil 1-1)		400 V AC
Dielectric Withstanding Voltage	Rated Voltage		Test Voltage
	400 V AC		4000 V AC for 1min
Dissipation Factor (D.F)	Y5P	TANδ 2.5%, measured at 1KHz ±10%, 1.0 ~ 5.0 V rms, 25°C	
	Y5U	TANδ 2.5%, measured at 1KHz ±10%, 1.0 ~ 5.0 V rms, 25°C	
Capacitance (C)	Range	100pF to 4700pF. Measured at 1KHz ±10%, 1.0 ~ 5.0 V rms, 25°C	
	Tolerance	±10%	Y5P
		±20%	Y5U
Insulation Resistance(IR)	10000MΩ min, 500 V DC		
Temperature Characteristics	Type Code	Cap. Change	Temp. Range
	Y5P	±10%, max	
	Y5U	+20%, -55% max	
The reference temperature:25°C			



Y1 SERIES

Y1 電容器

INTRODUCTION:

These Ceramic Disc Capacitors are specifically for AC applications and meet the safety requirements of various safety standards agencies. These capacitors are ideal for across the line and line by-pass applications.

FEATURES:

- Ideal for across the line applications
- Compact size
- Cost effective product
- Safety standards recognized for AC applications

GENERAL SPECIFICATIONS:

Operating temperature range:	-25°C to +85°C
Capacitance range:	100pF to 4700pF
Capacitance tolerance:	K=±10%, M=±20%
Rated voltage:	400 V AC. Please refer to table for approval file number.
Temperature coefficient:	±10% for B(Y5P), +20 to -55% for E(Y5U)
Dissipation factor (tanδ):	Y5P:2.5% max. at 25°C and 1KHz, 1±0.2Vrms Y5U:2.5% max. at 25°C and 1KHz, 1±0.2Vrms
Insulation resistance at 25°C:	10000MΩ at 500 V DC for 1 minute
Dielectric strength:	4000 V AC for 60 seconds-AC 400V

CAPACITANCE AND DIMENSIONS:

When ordering safety standard recognized ceramic capacitors,
Please use the part numbers as noted below:

Rated:400V AC for Y1

PART NUMBER	T.C.	CAP.	TOL.	DIMENSION(mm)		
				D max	F	T max
JD101KY5P Y1	±10% (Y5P)	100PF	K ±10%	8	9.5±0.8	8
JD151KY5P Y1		150PF		8	9.5±0.8	8
JD221KY5P Y1		220PF		8	9.5±0.8	8
JD331KY5P Y1		330PF		9	9.5±0.8	8
JD471KY5P Y1		470PF		10	9.5±0.8	8
JD561KY5P Y1		560PF		10	9.5±0.8	8
JD681KY5P Y1		680PF		11	9.5±0.8	8
JD102KY5P Y1		1000PF		12	9.5±0.8	8
JD102MY5U Y1		+20~-55% (Y5U)		1000PF	M ±20%	8
JD152MY5U Y1	1500PF		9	9.5±0.8		8
JD222MY5U Y1	2200PF		11	9.5±0.8		8
JD332MY5U Y1	3300PF		14	9.5±0.8		8
JD392MY5U Y1	3900PF		16	9.5±0.8		8
JD472MY5U Y1	4700PF		17	9.5±0.8		8

Dimensions and Tolerance

B=3.0mm max for AA or 4.0mm max for A2

D=0.60mm ± 0.05mm

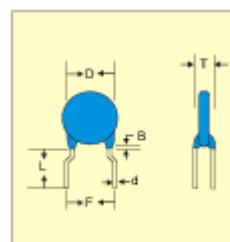
F=9.5 ± 0.8mm

L=5~25mm



Y1 AC 400V

TYPE:AA



TYPE:A2

