

# Safety Y1,Y2 Ceramic Disc Capacitor

## SPKC06 - Y1 Series

### ■ Introduction

- These Ceramic Disc Capacitors are specifically designed 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

### ■ Specifications

Operating temperature range	-25°C ~ 125°C
Capacitance:	Under 1KHz and 25°C±2°C, Vrms=1.0V conditions, not exceed capacitance tolerance.
Dissipation factor(D.F.)	Max 2.5%
Insulation resistance:	At DC100V voltage for 1 minute, I.R.≥6000MΩ.
Test voltage:	Y1:Ut=8K VDC or Ut=4K VAC X1:Ut=4K VDC

### ■ How to order

Type	Dielectric	Capacitance	Tolerance
Y1	E	102	M
Y1	B (Y5P)	101(100PF)	K(±10%)
	E (Y5U)	102(1000PF)	M(±20%)
	F (Y5V)	222(2200PF)	
		103(10000PF)	

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## Capacitance and dimension

Specification	Rated Voltage	Temperature Characteristic	Cap.Value (pF)	Cap. Tol.	Dimension (mm)			d ± 0.05mm
					D	F	T	
					±1.0	±0.8	max	
Y1-101K	AC400V	Y5P(B) ±10%	100	K ±10%	6	10	6	0.6
Y1-151K	AC400V		150		6			
Y1-221K	AC400V		220		6			
Y1-271K	AC400V		270		6			
Y1-331K	AC400V		330		7			
Y1-391K	AC400V		390		7			
Y1-471K	AC400V		470		7			
Y1-561K	AC400V		560		8			
Y1-681K	AC400V		680		9			
Y1-821K	AC400V		820		10			
Y1-102K	AC400V		1000		11			
Y1-471M	AC400V		Y5U(E) +20% -56%		470			
Y1-102M	AC400V	1000		8				
Y1-152M	AC400V	1500		9				
Y1-222M	AC400V	2200		11				
Y1-272M	AC400V	2700		12				
Y1-332M	AC400V	3300		12				
Y1-392M	AC400V	3900		13				
Y1-472M	AC400V	4700		15				
Y1-471M	AC400V	Y5V(F) +22%-82%	470	M ±20%	6	10	6	0.6
Y1-102M	AC400V		1000		6			
Y1-152M	AC400V		1500		7			
Y1-222M	AC400V		2200		9			
Y1-272M	AC400V		2700		9			
Y1-332M	AC400V		3300		10			
Y1-392M	AC400V		3900		11			
Y1-472M	AC400V		4700		11			

Remark: Any specification which not show in the above form, we can have them made to order



## Figure and code of dimension

FA

FB

FC

FD

