

SAFETY STANDARD RECOGNIZED Y1/Y2 CAPACITORS



Y1/Y2 Series 跨接抑制突波電容器 (X1Y1, X1Y2)

Applications For use in circuit where alternation, pulsating, intermittent and steady high voltage exist.

Introduction

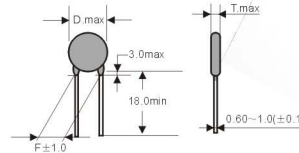
These Ceramic Disc Capacitors are specifically designed for AC applications and meet the safety requirements of various safety standards agencies. These capacitors are ideal for across the line and line by-pass applications

Features

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

General Specifications

Operating temperature range	-25°C to 85°C, -25°C to 125°C,
Capacitance range	1pF to 10000pF
Capacitance tolerance	D=±0.5PF, K=±10%, M=±20%
Rated voltage	400VAC. Please refer to table for approval file number. less than 50mA X1:400VAC Y1:250V. 400VAC Y2:250V. 300VAC
Temperature coefficient	±15% for B (X7R), ±10% for B (Y5P), +20 to -55% for E (Y5U) +30 to -80% for F (Y5V)
Dissipation factor (tan δ)	X7R:2.5% max. at 25°C and 1KHz, 1 ±0.2 Vrms. Y5P:2.5% max. at 25°C and 1KHz, 1 ±0.2 Vrms. Y5U:5.0% max. at 25°C and 1KHz, 1 ±0.2 Vrms. Y5V:5.0% max. at 25°C and 1KHz, 1 ±0.2 Vrms.
Insulation resistance at 25°C	10000MΩ at 500VDC for 1 minute.
Dielectric strength	Y1: 4000 VAC /8000VDC for 60 seconds-AC 400V X1:2300VAC/4000 VDC for 60 seconds-AC 400V Y2: 2600 VAC /5000VDC for 60 seconds-AC 400V



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Capacitance and Dimensions

When ordering safety standard recognized ceramic capacitors please use the type numbers as noted above

Rated 400VAC (X1Y1)

TYPE NUMBER	O.T.	T.C.	CAP.	TOL.	DIMENSION(mm)					
					D max	F	T max			
ZD1R0DY5P Y1	-25°C - +125°C	Y5P	1PF	D ±0.5PF	7	10±0.8	8			
ZD1R5DY5P Y1			7		10±0.8	8				
ZD2R2DY5P Y1			7		10±0.8	8				
ZD3R3DY5P Y1			7		10±0.8	8				
ZD4R7DY5P Y1			7		10±0.8	8				
ZD5R6DY5P Y1			7		10±0.8	8				
ZD6R8DY5P Y1			7		10±0.8	8				
ZD8R2DY5P Y1			7		10±0.8	8				
ZD100KY5P Y1			7		10±0.8	8				
ZD120KY5P Y1			7		10±0.8	8				
ZD150KY5P Y1			7		10±0.8	8				
ZD180KY5P Y1			7		10±0.8	8				
ZD220KY5P Y1			7		10±0.8	8				
ZD270KY5P Y1			7		10±0.8	8				
ZD330KY5P Y1			7		10±0.8	8				
ZD390KY5P Y1			7		10±0.8	8				
ZD470KY5P Y1			7		10±0.8	8				
ZD560KY5P Y1			7		10±0.8	8				
ZD680KY5P Y1			7		10±0.8	8				
ZD820KY5P Y1			7		10±0.8	8				
ZD101KY5P Y1		7	10±0.8	8						
ZD151KY5P Y1		7	10±0.8	8						
ZD221LY5P Y1		7	10±0.8	8						
ZD331KY5P Y1		8	10±0.8	8						
ZD471KY5P Y1		10	10±0.8	8						
ZD561KY5P Y1		10	10±0.8	8						
ZD681KY5P Y1		12	10±0.8	8						
ZD821KY5P Y1		13	10±0.8	8						
ZD102KY5P Y1		13	10±0.8	8						
ZD152KY5P Y1		16	10±0.8	8						
ZD222KY5P Y1		18	10±0.8	8						
ZD332KY5P Y1		20	10±0.8	8						
ZD392KY5P Y1		20	10±0.8	8						
ZK472KY5P Y1		22	10±0.8	8						
ZD331KY5U Y1		+20%-55% (Y5U)	K, M	330PF	K, M	7	10±0.8	8		
ZD391KY5U Y1				7		10±0.8	8			
ZD471KY5U Y1				7		10±0.8	8			
ZD561KY5U Y1				7		10±0.8	8			
ZD681KY5U Y1				7		10±0.8	8			
ZD821KY5U Y1				8		10±0.8	8			
ZD102KY5U Y1	8			10±0.8		8				
ZD152KY5U Y1	10			10±0.8		8				
ZD222KY5U Y1	12			10±0.8		8				
ZD332KY5U Y1	15			10±0.8		8				
ZD392KY5U Y1	16			10±0.8		8				
ZD472KY5U Y1	18			10±0.8		8				
ZD562KY5U Y1	18			10±0.8		8				
ZD682KY5U Y1	18			10±0.8		8				
ZD822KY5U Y1	20			10±0.8		8				
ZD103KY5U Y1	22			10±0.8		8				
ZD681MY5V Y1	-25°C - +85°C			+30%-80% (Y5V)		680PF	M ±20%	7	10±0.8	8
ZD821MY5V Y1						7		10±0.8	8	
ZD102MY5V Y1						8		10±0.8	8	
ZD152MY5V Y1						9		10±0.8	8	
ZD222MY5V Y1		10	10±0.8		8					
ZD272MY5V Y1		11	10±0.8		8					
ZD332MY5V Y1		12	10±0.8		8					
ZD392MY5V Y1		13	10±0.8		8					
ZD472MY5V Y1		14	10±0.8		8					
ZD562MY5V Y1		15	10±0.8		8					
ZD682MY5V Y1		17	10±0.8		8					
ZD822MY5V Y1		18	10±0.8		8					
ZD103MY5V Y1		20	10±0.8		8					