

FEATURES

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

Part No. Designation

JD	102	K	Y5P	Y1	A2
(1)	(2)	(3)	(4)	(5)	(6)

1. Series Manufacturing ID

2. Rated capacitance

Code	Cap.(PF)
101	100
151	150
221	220
331	330
471	470
561	560
681	680
102	1000
152	1500
222	2200
332	3300
472	4700

3. Tolerance on rated capacitance

Code	Tolerance	Rated Cap.(PF)
K	±10%	From 100PF to
M	±20%	

4. Temperature Coefficient (T.C.)

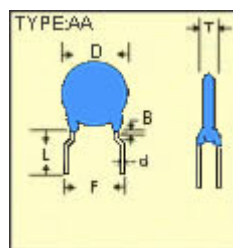
Code	Temp. Range	Cap. Change	EIA Code
B	-25°C +85°C	±10%	Y5P
E		+22% -56%	Y5U

5. Class Y1

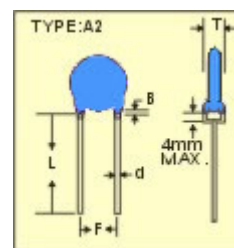
6. Lead Shape (Fig. 1)

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

Figure (1)



Only use in short pin.



Only use in long pin.

Dimension & Capacitance Range

PART NUMBER	T.C.	CAP.	TOL	Dimension (mm)		
				D max	F	Tmax
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	9.5 ±0.8	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

SPECIFICATION & TEST METHOD

Operating Temp. Range	-25℃ to +85℃		
Rated Voltage	Applicable Standards	X1	Y1
	CSA, UL	250V AC	
	SEMKO,SEV,FIMKO, NEMKO,DEMKO,VDE(0565 Teil 1-1)	400V AC	400V AC
Dissipation Factor(D.F)	Y5P	TAN δ ≤2.5%,measured at 1KHz ±10%,1.0~5.0 Vrms,25℃	
	Y5U	TAN δ ≤2.5%,measured at 1KHz ±10%,1.0~5.0 Vrms,25℃	
Dielectric Strength	Rated Voltage	Test Voltage	
	400 V AC	4000 V AC for 1 min	
Insulation Resistance(IR)	10000MΩmin at 500V _{DC} in one minutes		