Lead Type Disc High Voltage Ceramic Capacitors-SV Series (10KVDC-15KVDC)Data Sheet

Feature

■Wide capacitance range from 100pF to 1000pF.

■Operating Temperature: -25℃～85℃.

■Storage Temperature: 15℃~35℃.

■Excellent heat resistance, moisture resistance and high energy dielectric voltage.

■Excellent active and passive flame resistant abilities .

■Y5R is a lead-containing material, but it is exempted by the European Union.

Applications

■Suitable for color TV multipliers and three-in-one.

■High-voltage DC power supply (PPC, X-ray, air purifier, laser, etc.).

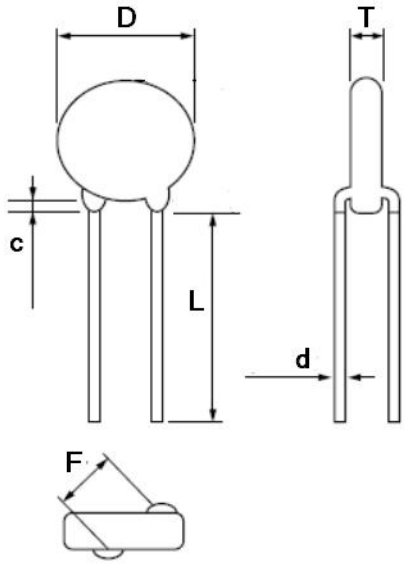
■Tuning capacitor in a focusing circuit for display.

Part numbering on request.

Specifications

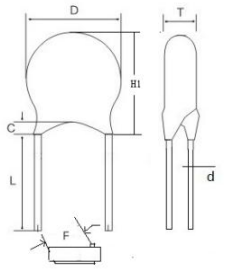
Capacitance and Dissipation factor testing condition	20℃、1±0.1KHz、1.0Vrms
Dissipation Factor(tanδ)	DF:≤2.5%
Rated Voltage	10KVDC、12KVDC、15KVDC
Withstand Voltage	150%U_R(VDC) (60±5s,50mA)
Insulation Resistance (I.R.)	IR≥10000MΩ (1000VDC,60±5s)
Temperature Characteristic	Y5P、Y5R

Dimensions (mm)



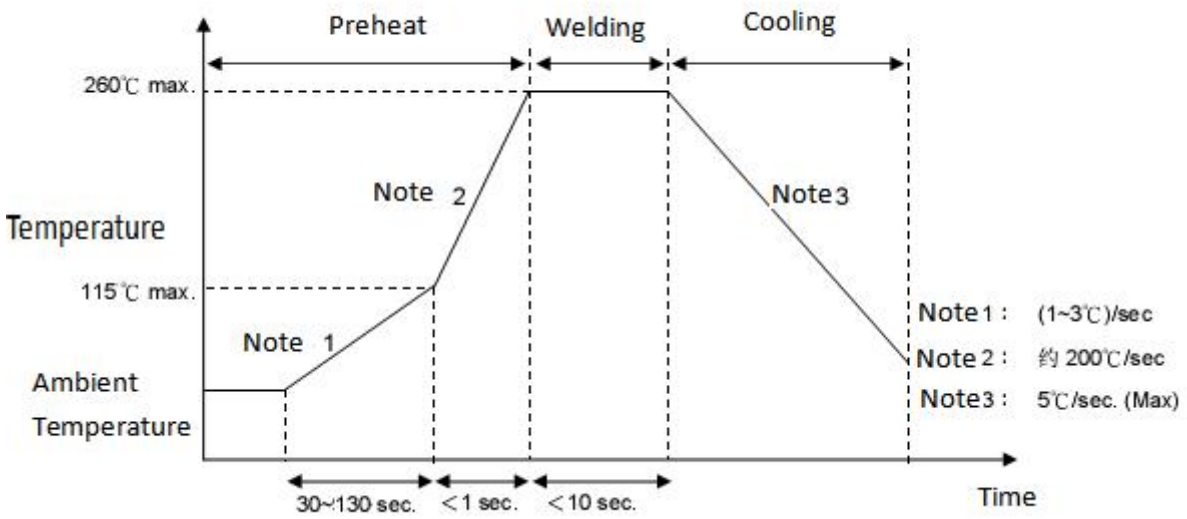
Specification (Y5P series)		Size (mm)				Specification (Y5R series)		Size (mm)			
		D Max.	T Max.	F±2.0	d±0.05			D Max.	T Max.	F±2.0	d±0.05
10KV	101M	8.0	7.0	10.0	0.65	10KV	101M	8.5	7.0	10.0	0.65
	151M	8.0	7.0	10.0	0.65		151M	9.5	7.0	10.0	0.65
	221M	9.5	7.0	10.0	0.65		221M	10.0	7.0	10.0	0.65
	331M	10.0	7.0	10.0	0.65		331M	11.5	7.0	10.0	0.65
	471M	12.0	7.0	10.0	0.65		471M	14.0	7.0	10.0	0.65
	681M	13.0	7.0	10.0	0.65		681M	16.0	7.0	10.0	0.65
	102M	15.0	7.0	10.0	0.65		102M	18.0	7.0	10.0	0.65
12KV	101M	9.0	7.7	10.0	0.65	12KV	101M	9.0	7.5	10.0	0.65
	151M	9.0	7.5	10.0	0.65		151M	9.5	7.5	10.0	0.65
	221M	10.0	7.5	10.0	0.65		221M	11.0	7.5	10.0	0.65
	331M	11.0	7.5	10.0	0.65		331M	13.0	7.5	10.0	0.65
	471M	12.0	7.5	10.0	0.65		471M	15.0	7.5	10.0	0.65
	681M	14.0	7.5	10.0	0.65		681M	17.0	7.5	10.0	0.65
	102M	16.0	7.5	10.0	0.65		102M	19.0	7.5	10.0	0.65
15KV	101M	9.0	8.5	10.0	0.65	15KV	101M	9.5	8.5	10.0	0.65
	151M	9.0	8.5	10.0	0.65		151M	11.0	8.5	10.0	0.65
	221M	10.0	8.5	10.0	0.65		221M	12.0	8.5	10.0	0.65
	331M	12.0	8.5	10.0	0.65		331M	14.0	8.5	10.0	0.65
	471M	13.0	8.5	10.0	0.65		471M	16.0	8.5	10.0	0.65
	681M	15.0	8.5	10.0	0.65		681M	18.0	8.5	10.0	0.65
	102M	17.0	9.0	12.7	0.8		102M	21.0	8.5	12.7	0.8

Lead Configuration

Lead Style	Drawing	Lead Length L (mm)	Coating Lead Length C (mm)
Long Straight		36.0 min	C≤4.0mm

Soldering Condition

Wave Soldering Graph



Iron Soldering Condition

Item	Condition
Temperature of soldering copper bit	350℃（max.）
Soldering duration	3sec（max.）
Space between soldering position and coating layer	2mm（min.）