

HIGH VOLTAGE CERAMIC CAPACITOR

Suntan®

TS16

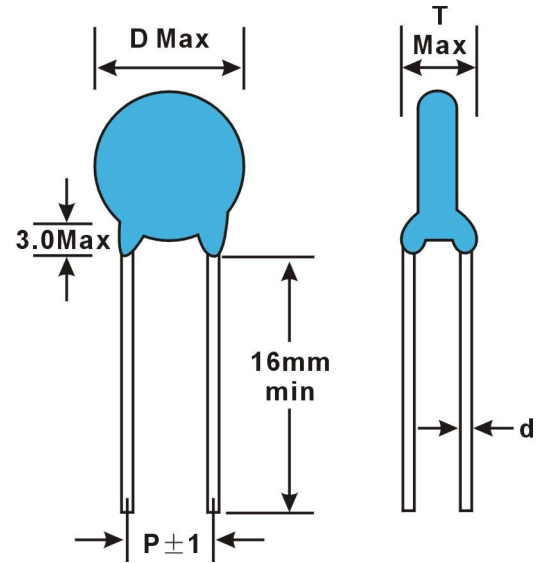
FEATURES

Use for coupling, and by-pass circuit there are a stable and high reliability products



SPECIFICATIONS

OPERATING CONDITION RANGE	-25°C to +85°C
RATED WORKING VOLTAGE	1 KV – 15 KVDC
CAPACITANCE RANGE	100pF – 10,000pF
TEST VOLTAGE	$U_R \leq 500V, U = 2.5U_R$ $U_R > 500V \leq 6KV, U = 1.5U_R + 500V$ $U_R > 6KV \leq 15KV, U = 1.5U_R$
DISSIPATION FACTOR (tan δ)	SL/YL/NPO: $\leq 0.5\%$ max Y5P/Y5U/Y5V/Y5T: D.F. $\leq 2.5\%$ max Y5R: D.F. $\leq 0.2\%$ max
INSULATION RESISTANCE	YL/SL/NPO: $\geq 10G\Omega$ Y5R/Y5P/Y5U/Y5V/Y5T: $CR \leq 25nF, \geq 4000M\Omega$ $CR > 25nF, R_j \cdot CR \geq 100s$ Note: "s" for the time constant, that is, insulation resistance times the capacitance, in units of seconds, also known as megohm micro method.



RATED W. V			DIMENSION (mm)			
			D	P	T	d±0.05
1KV	N750	10P K	6.5	5.0	3.0	0.5
		15~33P K	6.5	5.0	3.0	0.5
	SL	47P K	6.5	5.0	3.0	0.5
		56~68P K	6.5	5.0	3.0	0.5
		101K	6.5	5.0	3.0	0.5
	Y5P	151~331K	6.5	5.0	3.0	0.5
		471K	6.5	5.0	3.0	0.5
		681K	6.5	5.0	3.0	0.5
		102K	6.5	5.0	3.0	0.5
		122K	7.5	5.0	3.0	0.5
		152K	9.5	5.0	3.0	0.5
		222K	9.5	5.0	3.0	0.5
		272K	11.0	5.0	3.0	0.5
		332K	11.0	5.0	3.0	0.5
		472K	12.5	5.0	3.0	0.5
	Y5U	821~102K	7.5	5.0	3.0	0.5
		102M	7.5	5.0	3.0	0.5
		122M	7.5	5.0	3.0	0.5
		152M	7.5	5.0	3.0	0.5
		222M	7.5	5.0	3.0	0.5
		272M	8.5	5.0	3.0	0.5
		332M	8.5	5.0	3.0	0.5
		472M	8.5	5.0	3.0	0.5
		103M	12.5	5.0	3.0	0.5
	Y5V	222M	6.5	5.0	3.0	0.5
		272M	6.5	5.0	3.0	0.5
		332M	6.5	5.0	3.0	0.5
		472M	7.5	5.0	3.0	0.5
		682~103M	8.5	5.0	3.0	0.5

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RATED W. V			DIMENSION (mm)			
			D	P	T	d±0.05
2KV	UJ	10P K	6.5	5.0	3.5	0.5
		15~33P K	6.5	5.0	3.5	0.5
	SL	47P K	7.5	5.0	3.5	0.5
		56~68P K	6.5	5.0	3.5	0.5
	YL	101K	6.5	5.0	3.5	0.5
	Y5P	151~331K	6.5	5.0	3.5	0.5
		471K	6.5	5.0	3.5	0.5
		681K	7.5	5.0	3.5	0.5
		102K	8.0	5.0	3.5	0.5
		122K	9.5	7.5	3.5	0.5
		152K	9.5	7.5	3.5	0.5
		222K	11.0	7.5	3.5	0.5
		272K	12.5	7.5	3.5	0.5
		332K	12.5	7.5	3.5	0.5
	Y5U	821~102K	8.5	5.0	3.5	0.5
		102M	7.5	5.0	3.5	0.5
		122M	7.5	5.0	3.5	0.5
		152M	7.5	5.0	3.5	0.5
		222M	8.5	5.0	3.5	0.5
		272M	10.5	5.0	3.5	0.5
		332M	10.5	7.5	3.5	0.5
	Y5V	472M	10.5	7.5	3.5	0.5
		222M	6.5	5.0	3.5	0.5
		272M	7.5	5.0	3.5	0.5
		332M	7.5	5.0	3.5	0.5
		472M	8.5	5.0	3.5	0.5
		682~103M	11.5	7.5	3.5	0.5

RATED W. V			DIMENSION (mm)			
			D	P	T	d±0.05
3KV	UJ	10-15P K	6.5	7.5	4.0	0.5
		18-22P K	6.5	7.5	4.0	0.5
	SL	33-47P K	7.5	7.5	4.0	0.5
		68-82P K	6.5	7.5	4.0	0.5
	YL	101K	6.5	7.5	4.0	0.5
	Y5P	151-331K	6.5	7.5	4.0	0.5
		471K	6.5	7.5	4.0	0.5
		681K	9.0	7.5	4.0	0.55
		102K	9.0	7.5	4.0	0.55
		122K	10.5	7.5	4.0	0.55
		152K	10.5	7.5	4.0	0.55
		222K	13.0	7.5	4.0	0.55
		272K	14.5	7.5	4.0	0.6
		332K	14.5	7.5	4.0	0.6
	Y5U	821-102K	9.0	7.5	4.0	0.55
		102M	9.0	7.5	4.0	0.55
		122M	7.5	7.5	4.0	0.55
		152M	8.5	7.5	4.0	0.55
		222M	8.5	7.5	4.0	0.55
		272M	9.5	7.5	4.0	0.55
		332M	10.5	7.5	4.0	0.55
	Y5V	472M	11.5	7.5	4.0	0.55
		102M	6.5	7.5	4.0	0.55
		222M	7.5	7.5	4.0	0.55
		272M	7.5	7.5	4.0	0.55
		332M	8.5	7.5	4.0	0.55
		472M	9.5	7.5	4.0	0.55
		682-103M	13.5	7.5	4.0	0.6

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RATED W. V			DIMENSION (mm)			
			D	P	T	d±0.05
4KV	Y5P	101K	6.5	7.5	4.0	0.55
		221K	6.5	7.5	4.0	0.55
		331K	6.5	7.5	4.0	0.55
		471K	7.5	7.5	4.0	0.55
		681K	8.0	7.5	4.0	0.55
	102K	10.0	7.5	4.0	0.6	
	Y5U	471K	6.5	7.5	4.0	0.55
		681K	6.5	7.5	4.0	0.55
		102M	7.5	7.5	4.0	0.6
		152M	8.5	7.5	4.0	0.6
	Y5V	222M	8.5	7.5	4.0	0.6
		102M	6.5	7.5	4.0	0.55
		152M	7.0	7.5	4.0	0.55
		222M	7.5	7.5	4.0	0.6
		332M	8.5	7.5	4.0	0.6
472M		9.5	7.5	4.0	0.6	
682M	12.5	7.5	4.0	0.6		
103M	13.5	10.0	4.0	0.6		

RATED W. V			DIMENSION (mm)			
			D	P	T	d±0.05
5KV	Y5P	101K	6.5	10.0	5.0	0.6
		221K	6.5	10.0	5.0	0.6
		331K	7.5	10.0	5.0	0.6
		471K	8.5	10.0	5.0	0.6
		681K	9.5	10.0	5.0	0.6
	102K	12.0	10.0	5.0	0.6	
	Y5U	331K	6.5	10.0	5.0	0.55
		471K	8.5	10.0	5.0	0.55
		681K	7.5	10.0	5.0	0.6
		102M	7.5	10.0	5.0	0.6
		152M	10.5	10.0	5.0	0.6
	Y5V	222M	11.0	10.0	5.0	0.6
		102M	6.5	10.0	5.0	0.55
		152M	7.5	10.0	5.0	0.6
		222M	8.5	10.0	5.0	0.6
332M		10.5	10.0	5.0	0.6	
472M	11.5	10.0	5.0	0.6		

RATED W. V			DIMENSION (mm)			
			D	P	T	d±0.05
6KV	Y5P	101K	6.5	10.0	5.0	0.55
		221K	6.5	10.0	5.0	0.55
		331K	7.5	10.0	5.0	0.6
		471K	8.5	10.0	5.0	0.6
		681K	9.5	10.0	5.0	0.6
	102K	11.5	10.0	5.0	0.6	
	Y5U	331K	6.5	10.0	5.0	0.55
		471K	6.5	10.0	5.0	0.55
		681K	7.5	10.0	5.0	0.6
		102M	7.5	10.0	5.0	0.6
		152M	10.5	10.0	5.0	0.6
	Y5V	222M	11.0	10.0	5.0	0.6
		102M	6.5	10.0	5.0	0.55
		152M	7.5	10.0	5.0	0.6
		222M	8.5	10.0	5.0	0.6
332M		11.0	10.0	5.0	0.6	
472M	12.0	10.0	5.0	0.6		

Note: Specification are subject to change without notice. For more detail and update, please visit our website.