

# HIGH VOLTAGE CERAMIC CAPACITOR

Suntan®

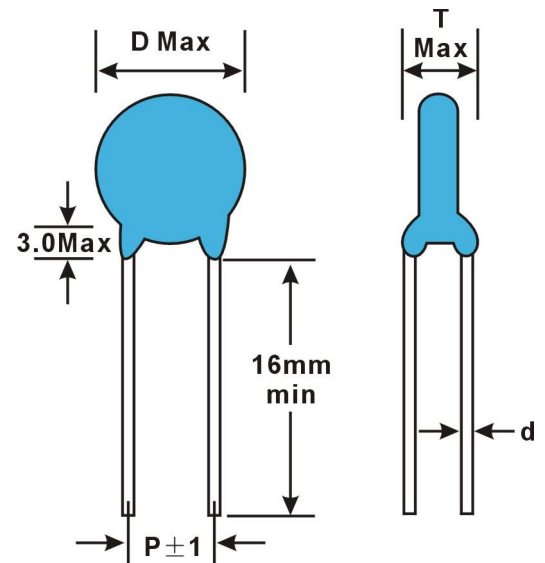
# TS16

## 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 – 6KVDC
CAPACITANCE RANGE	100pF – 10,000pF
TEST VOLTAGE	$U_R \leq 500V, U = 2.5U_R$ $U_R > 500V, \leq 6KV, U = 1.5U_R + 500V$
DISSIPATION FACTOR (tan $\delta$ )	at 1 KHz, $1 \pm 0.2$ Vrms, 25°C
Y5P, Z5U .....	tan $\delta \leq 2.5\%$
Z5V .....	tan $\delta \leq 5\%$
INSULATION RESISTANCE	10,000 M $\Omega$ or 200 M $\Omega$ whichever is the smaller



RATED W. V	Y5P ( $\pm 10\%$ )	Y5U ( $\pm 10\%, \pm 20\%$ )	Y5V ( $+80-20\%$ )	SL ( $\pm 5\%, \pm 10\%$ )	NPO ( $\pm 0.5pF, \pm 10\%$ )	DIMENSION				
						D	P	T	d	
1KV	101~821	--	--	120~101	0R5~220	6.5	5.0	3.5	0.5	
	102	102~122	--	--	--	7.0				
	--	152~332	122~682	--	--	7.5				
	152~182	472~562	--	--	--	8.5				
	222~272	--	103	--	--	9.5				
	--	682	153	--	--	10.5				
	332	103	--	--	--	11.5				
	472	--	--	--	--	12.5				
	562	--	203~223	--	--	14.0				
	--	--	333	--	--	16.0				
103	--	473 (M)	--	--	18.5	10.0	0.6	0.6		
--	--	104	--	--	23.5				0.7	
2KV	120~471	102	122~222	120~121	0R5~100	7.0	5.0	4		0.5
	561~821	122	272~332	100~470	--	8.0				
	102	222~272	472	--	--	9.0				
	152	472	682	--	--	11.0				
	182~222	--	103	--	--	12.0			7.5	0.6
	272	--	--	--	--	13.0				
	332	682	--	--	--	14.0				
	472	103	203~223	--	--	15.5				
3KV	120~471	681~102	152	120~180	010~220	7.0	7.5	4.5	0.6	
	271~681	122	222	--	--	8.0				
	--	152	272~332	820	--	9.0				
	102	222	472	--	--	10.0				
	--	272~332	682~103	--	--	12.0				
	--	472	103	--	--	14.0				
	--	682	--	--	--	16.0			10.0	0.7
	--	103	--	--	--	18.5				
	--	--	203~223	--	--	21.5				

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

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RATED W. V	Y5P (±10%)	Y5U (±10%, ±20%)	Y5V (±20%)	SL (±5%, ±10%)	NPO (±0.5pF, ±10%)	DIMENSION			
						D	P	T	d
4KV	101~471	681~102	152	270~680	030~220	7.0	7.5	4.5	0.6
	271~681	--	222	--	--	8.0			
	--	152	332	820	--	9.0			
	102	222	472	--	--	10.0			
	--	332	682~103	--	--	12.0	10.0	0.7	
	--	472	103	--	--	14.0			
	--	103	--	--	--	18.5			
--	--	--	203~223	--	--	21.5			
5KV	101~221	331~471	102	--	--	7.0	10.0	5.5	0.6
	331	561~102	152	--	--	8.0			
	471	--	222	--	--	9.0			
	561~681	152	--	--	--	10.0			0.7
	--	222	332	--	--	11.0			
	102	--	472	--	--	12.0			
	--	332	--	--	--	14.5			
--	472	--	--	--	17.5				
6KV	101~221	331~471	102	--	--	7.0	10.0	5.5	0.6
	331	561~102	152	--	--	8.0			
	471	--	222	--	--	9.0			
	561~681	152	--	--	--	10.0			0.7
	--	222	332	--	--	11.0			
	102	--	472	--	--	12.0			
	--	332	--	--	--	14.5			
--	472	--	--	--	17.5				

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