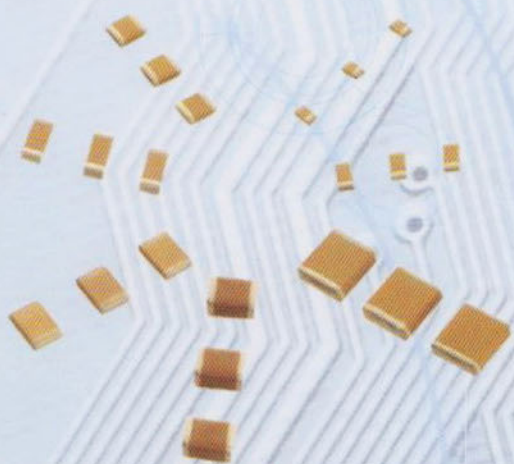
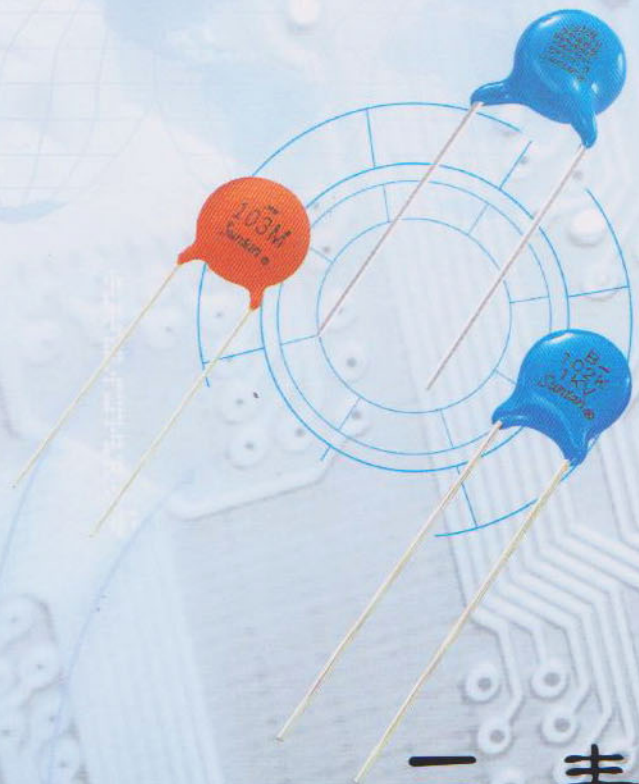
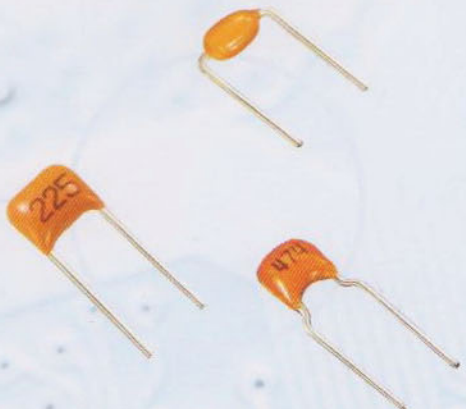


CERAMIC CAPACITOR



三泰 科技 有 限 公 司

Suntan® Technology Company Limited
(Suntan Capacitors Company 三泰电容器公司)

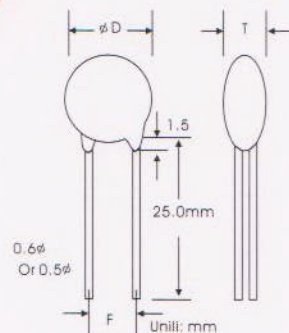
Unit 1, 4/F., Dormind Industrial Building, 13 Yip Fung Street, Fanling, N.T., Hong Kong.
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TS15

CLASS I TEMPERATURE COMPENSATION

SPECIFICATIONS

OPERATING TEMPERATURE RANGE	-25°C TO +85°C
RATED WORKING VOLTAGE	DC 50V, 500V
TEST VOLTAGE	3 times of the rated voltage
CAPACITANCE	within the tolerance at 1MHz, 1 ± 0.2 Vrms. 25°C
Q FACTOR	at 1 Mhz. 1 ± 0.2 Vrms. 25°C $C \geq 30$ pF..... $Q \geq 1,000$ $C < 30$ pF..... $Q \geq 400 + 20C$ (C: Rated capacitance)
INSULATION RESISTANCE	10,000 MΩ min



CLASS II HIGH DIELECTRIC CONSTANT

SPECIFICATIONS

RATED WORKING VOLTAGE	DC 50 V, 500V
TEST VOLTAGE	2.5 times of the rated voltage
CAPACITANCE	Within the tolerance at 1 MHz 1 ± 0.2 Vrms 25°C
DISSIPATION FACTOR (tan δ)	Y5P, Z5U: $\tan \delta \leq 2.5\%$ Z5V : $\tan \delta \leq 5\%$
INSULATION RESISTANCE	10,000MΩ or 200MΩ u f, whichever is the smaller

CLASS III SEMI CONDUCTIVE TYPE

SPECIFICATIONS

OPERATING TEMPERATURE RANGE	-25°C TO +85°C
RATED WORKING VOLTAGE	DC 16V, 25V, 50V
TEST VOLTAGE	2 times of the rated voltage
DISSIPATION FACTOR (tan δ)	at 1 KHZ 0.1 Vrms. 25°C
FY	16v 7.5% max
FY.RY	25/50v 5% max
INSULATION RESISTANCE	(at 25°C) 16V. 100 MΩ uF or 10 MΩ uF whichever is less 25V/50V. 1000MΩ uF or 20mΩ uF whichever is less

LOW D.F. HIGH VOLTAGE CERAMIC CAPACITOR

TS16

FEATURES

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

SPECIFICATIONS

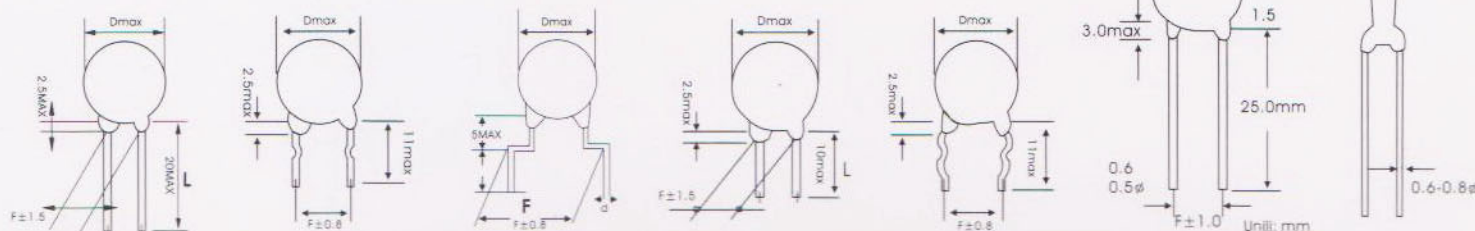
OPERATING CONDITION RANGE	-10°C to +85°C (Z5U, Z5V) -25°C to +85°C (Y5P)
RATED WORKING VOLTAGE	1 KV-50KV
CAPACITANCE RANGE	100pF-10,000PF
TEST VOLTAGE	2 times of the rated voltage.
DISSIPATION FACTOR (tan δ)	at 1 khz, 1 ± 0.2 Vrms. 25°C Y5P, Z5U..... $\tan \delta \leq 2.5\%$ Z5V..... $\tan \delta \leq 5\%$
INSULATION RESISTANCE	10,000MΩ uF or 200 MΩ uF of whichever is the smaller



APPLICATION

- High-Voltage DC power supplies or discharges (Lasers, X-ray apparatus, Mosquito Kill lamps, etc.)
- High frequency AC circuits.
- Noise Suppressor or horizontal out-put circuits. (TV, Monitor, etc.)

	A	B
TEMP. CHARAC	B(Y5P)	D(T3M)
D. F. MAXIMUM	0.5%	0.1%



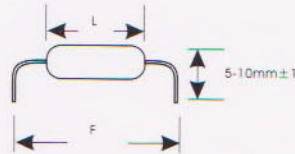
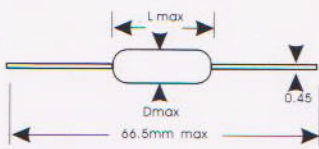
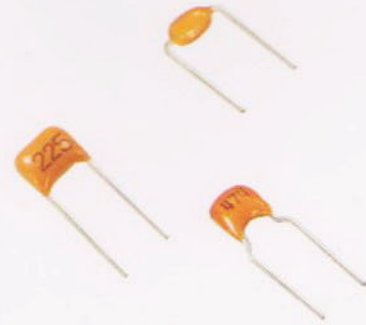
Note: Specification are subject to change without notice. For more detail and update, please visit our website.

MULTILAYER (MONO) CERAMIC CAPACITOR

TS17

FEATURES

- Wide application in computer, data processor, telecommunication, Industrial control, and instrumentation equipments, etc.
- Built by superior moisture and shock resistant epoxy coating, can be supplied in both bulk or tape and reel package for automatic insertion in printed circuit board.



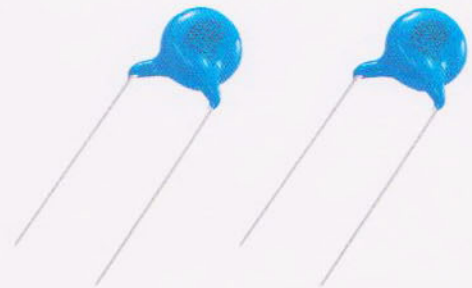
T.C	NPO/COG	X7R (B)	Y5V (Y/F)	Z5U (E)
DIELECTRIC TYPE	STABLE CLASS I DIELECTRIC	STABLE CLASS II DIELECTRIC		
ELECTRICAL PROPERTIES	WITH NEGLIGIBLE DEPENDENCE OF ELECTRICAL PROPERTIES ON TEMPERATURE VOLTAGE FREQUENCY AND TIME	WITH PREDICTABLE CHANGE OF PROPERTIES WITH TEMPERATURE, VOLTAGE, FREQUENCY AND TIME. THIS DIELECTRIC IS FERRO ELECTRIC AND OFFERS HIGHER CAPACITANCE RANGES THAN CLASS I	WITH HIGH TWIST DIELECTRIC CONSTANT AND GREATER VARIATION OF PROPERTIES WITH TEMPERATURE AND TEST CONDITIONS. VERY HIGH CAPACITANCE PER UNIT VOLUME	
APPLICATION	USE IN CIRCUITS REQUIRING STABLE PERFORMANCE	USE AS BLOCKING, COUPLING, BY-PASSING DISCRIMINATING ELEMENT	SUITED FOR BY-PASSING AND COUPLING APPLICATION SUCH AS STORE POWER AND MEMORY CIRCUIT	
CAPACITANCE RANGE	1pF—0.01 μ F	100pF—5 μ F	1000pF—10 μ F	
OPERATING TEMPERATURE	0±30ppm/°C -55°C—+125°C	±15% -55°C—+125°C	+30%~80% -25°C~+85°C	+22%~56% +10°C~+85°C

SAFETY STANDARD RECOGNIZED CAPACITOR - Y FOR ACROSS THE LINE AND LINE BY - PASS APPLICATED

TS22

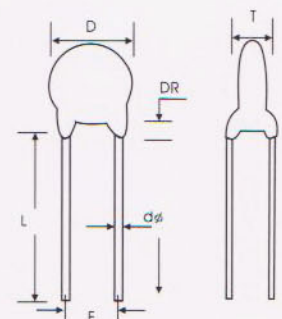
FEATURES

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



SPECIFICATIONS

OPERATING TEMPERATURE RANGE	-25°C TO +85°C
CAPACITANCE RANGE	100pF TO 0.01 μ F
CAPACITANCE TOLERANCE	±10%, ±20%
RATED VOLTAGE	AC 125 V, 250 V, 400V
TEMPERATURE COEFFICIENT	Y5P, Y5U, Y5V
DISSIPATION FACTOR (tan δ)	2.5%max.at 20°C and 1 KHz, 1±0.2Vrms.
INSULATION RESISTANCE AT 20°C	FY:50max.at 20°C and 1 KHz, 1±0.2Vrms.



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

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MULTILAYER CERAMIC CHIP CAPACITOR - SMD

TS18 & TS18H



0402 SIZE			0603 SIZE			0805 SIZE			1206 SIZE			1210 SIZE			1808 SIZE			1812 SIZE			2220 SIZE			2225 SIZE		
*L	*W	**T(Max)	*L	*W	**T(Max)	*L	*W	**T(Max)	*L	*W	**T(Max)	*L	*W	**T(Max)	*L	*W	**T(Max)	*L	*W	**T(Max)	*L	*W	**T(Max)	*L	*W	**T(Max)
1.0±0.05	0.5±0.05	0.55	1.6±0.1	0.8±0.1	0.9	2.0±0.2	1.25±0.2	0.145	3.2±0.2	1.6±0.2	1.3	3.2±0.4	2.5±0.3	1.9	4.5±0.30	2.0±0.20	2.0	4.5±0.30	3.2±0.30	2.5	5.7±0.40	5.0±0.40	2.5	5.7±0.40	6.3±0.40	2.5
Min E/n 0.03±0.02			Min E/n 0.03±0.02			Min E/n 0.03±0.02			Min E/n 0.03±0.02			Min E/n 0.03±0.02			Min E/n 0.6±0.4			Min E/n 0.6±0.4			Min E/n 0.6±0.4			Min E/n 0.6±0.4		
Z5U	X7R	NPO	Z5U	X7R	NPO	Z5U	X7R	NPO	Z5U	X7R	NPO	Z5U	X7R	NPO	X7R	NPO	Z5U	X7R	NPO	X7R	NPO	NPO	NPO	NPO	NPO	
50V	10V	10V	50V	10V	10V	50V	10V	10V	50V	10V	10V	50V	10V	10V	50V	10V	50V	10V	10V	50V	10V	50V	50V	50V	50V	50V
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150		
200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200		
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400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400		
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1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		

CERAMIC TRIMMER CAPACITOR



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