



CERAMIC DISC CAPACITOR

S.C. TYPE (CLASS III)

The capacitors use ceramic semiconductors of boundary insulation structure which provides economical volumetric efficiency. They are suitable for use in low voltage electronic circuits for by-pass, coupling or frequency determination in which low insulation resistance can be tolerated.



SPECIFICATION:

Operation Temperature Range	- 30°C ~ + 85°C
Rated Working Voltage (DC)	16V, 25V, 50V
Capacitance	Measured at 25°C, 1KHz, 0.1V rms. max.
Capacitance Tolerance	± 20% (M), +80 -20% (Z)
Insulation Resistance	Measured at rated working voltage, 60 sec. 16 W.V.: 500MΩ min. 25~50 W.V.: 500MΩ x μ F min.
Dissipation Factor (D.F.)	Measured at 25°C, 1KHz, 0.1V rms. max. 16 W.V.: 7.0% max. 25~50 W.V.: 5.0% max.
Voltage Proof (Flash Test)	Withstand 250% of rated working voltage with 50mA current, 1.5 sec.
Life Test	Apply rated voltage at 85°C for 500 hours.

CAPACITANCE RANGE / DIMENSION CHART:

T. C.	Y5P			Y5U			Y5V		
	16V	25V	50V	16V	25V	50V	16V	25V	50V
W.V. (DC)									
CAP. (μ F)	DIMENSIONS (D φ in mm)								
0.01	5	5	5	5	5	5	5	5	5
0.022	6	6	8	5	5	5	5	5	5
0.033	7	8	8	5	6	7	5	5	6
0.047	8	9	9	5	6	7	5	5	6
0.1	10	12	13	6	7	8	7	7	8
0.22	--	--	--	10	11	--	10	11	12