



# CERAMIC DISC CAPACITOR

## HI-K TYPE (CLASS II)

The capacitors have variety of high K (dielectric constant) ceramic formulations. They are suitable to be used in circuit application of 'bypass' and 'coupling' where a large amount of capacitance is required and the capacitance change versus temperature is less sensitive.



### SPECIFICATION:

Operation Temperature Range	Y5E, Y5P: - 30°C ~ + 85°C Z5U, Z5V: + 10°C ~ + 85°C
Rated Working Voltage (DC)	50V, 63V, 100V
Capacitance	Measured at 25°C, 1KHz, 1V rms. max.
Capacitance Tolerance	± 10% (K), ± 20% (M), + 50% - 10% (R), + 80% - 20% (Z)
Insulation Resistance	10,000MΩ min. at working voltage, 60 sec.
Dissipation Factor (D.F.)	Measured at 25°C, 1KHz, 1V rms. max. Y5E, Y5P, Z5U: 2.5% max. Z5V: 5.0% max.
Voltage Proof (Flash Test)	Withstand 250% of rated working voltage with 50mA current, 1.5 sec.
Life Test	200% of rated voltage at 85°C for 500 hours.
Applicable Standards	EIA RS-198 (CLASS II), JIS C-6422 (TYPE II)

### CAPACITANCE RANGE / DIMENSION CHART:

W.V.: 50V ~ 100V (DC)

DIMENSION (mm)		TEMPERATURE CHARACTERISTIC (Capacitance in pF)			
D	F	Y5E	Y5P	Z5U	Z5V
5	2.5 or 5.0	100 - 680	100 - 2200	1000 - 4700	1000 - 10000
6	5.0	820 - 1000	3300	5600	15000 - 22000
7	5.0	1500	4700	6800 - 10000	--
8	5.0	2200	5600	--	--
9	5.0	3300	8200	15000	33000
10	5.0	--	10000	22000	47000