

## SERIES

## SEMI – CONDUCTIVE CAPACITOR

The disc type semiconductive capacitors are reformed in smaller size with larger capacitance than Usual Hi-K type ceramic capacitors. It can be classified into two kinds: surface layer and boundary layer.

## 1. Specification and Test Condition

## (1) Capacitance

Not exceed Capacitance tolerance  
test frequency : 1 KHz  
test voltage : 0.1 Vrms  
test temperature:  $25 \pm 2^\circ\text{C}$

## (2) Dissipation Factor

Shall not exceed 5% for components rated at 3 volts D.C., nor shall exceed 8% for components rated in excess of 3 volts D. C., when measured at a frequency of 1 KHz and not greater than 0.1Vrms.

## (2) Insulation Resistance

Rated Voltage	Megohm-Microfarads	Ex	: (1) 0.1uf	12V
10-12 VDC	0.04			0.04÷0.1=0.4MΩMIN
16-20 VDC	0.10		(2) 0.1uf	20V
25-50 VDC	1.00			0.1÷0.1MΩMIN

## 4. Specifications

Maximum Diameter	Capacitance Value (PF)					Rated Voltage
	Y5P	Y5R	Y5T	Y5U	Y5V	
4.5mm					103-223	16
5.5mm		103-223	103-503	103-503	330-503	16
6.5mm		303-333	683-104	683-104	683-104	16
7.5mm		403-473				16
8,5mm		683-104				16
10.5mm				224	224	16
4.5mm					203-223	25
5.5mm	103	103	103-403	223-503	333-503	25
6.5mm	153-223	223	473-683	683	683-104	25
7.5mm	333	333-473	104	104		25
8.5mm	403-503	683				25
9.5mm	683	104			224	25
10.5mm	104			224		25
12.5mm						25
4.5mm						50
5.5mm	332-822	103	104	103	103-333	50
6.5mm	103	223	223-333	223-503	403-503	50
7.5mm	203-223	333-473	473-503	683	683	50
8.5mm	333	683		104	104	50
10.5mm	473-683	104			224	50
12.5mm	104		104			

The specifications and drawings are subjected to change without prior notice.