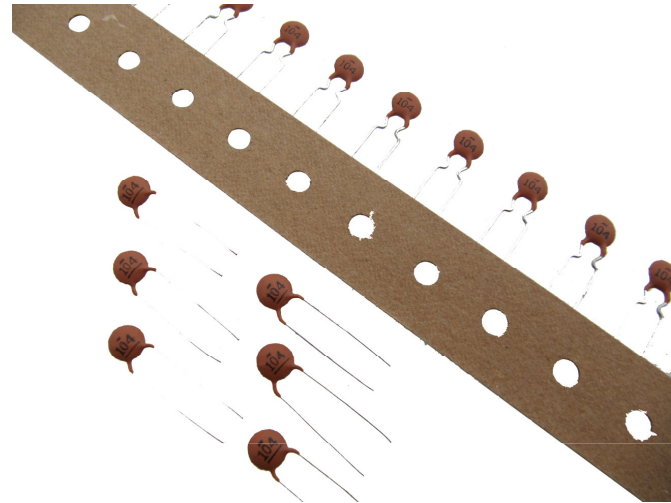
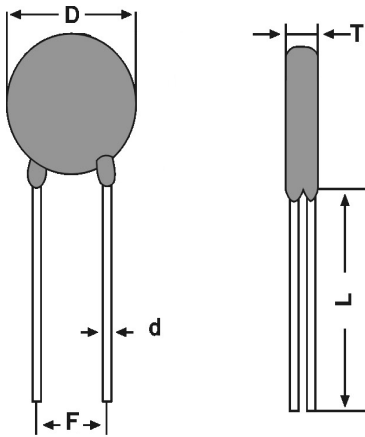


# Semi-conductive Ceramic Disc Capacitor

PC23 belong to surface layer semi-conductive construction, have characteristics such as higher capacitance, small size. They have best suited for use in filter circuit, bypass and coupling circuits.

## Specifications

- \* Operating Temperature: -25 to +85°C
- \* Temperature Coefficient: Y5P, Y5U, Y5V
- \* Voltage Proof: 1.5Ur
- \* Dissipation Factor: 16V:  $\tan \delta \leq 7.0\%$ , 25V, 50V:  $\tan \delta \leq 3.5\%$ ,
- \* Insulation Resistance: At rated voltage for 1 minute, 16V:  $R_j \geq 100M\Omega$ , 25V:  $R_j \geq 250M\Omega$ , 50V:  $R_j \geq 1000M\Omega$
- \* Capacitance: under 1KHz and 25°C,  $V_{rms}=0.1V$  conditions, not exceed capacitance tolerance.



## Capacitor Range And Diameter

Rated Voltage (VDC)	Dimension	Temperature Characteristic			Lead Size (mm)	
	D (mm) +/-0.5mm	Y5P	Y5U	Y5V	Pitch	Diameter (d)
		Nominal Capacitance (pF)				
16	4.0		22000	22000, 33000	5.0+/-1.0mm, 2.5+/-1.0mm	0.4+/-0.04mm, 0.5+/-0.05mm, 0.6+/-0.06mm
	5.0		22000, 47000	22000~68000		
	5.5		68000	68000		
	6.0		82000	100000		
	6.5		100000	100000		
25	7.5			220000		
	4.0	10000, 12000	22000, 33000	22000, 33000		
	5.0	10000~18000	22000, 33000	22000~47000		
	5.5	22000	47000	68000		
	6.0			100000		
	6.5	27000, 33000	68000	100000		
	7.5	39000, 47000	100000	150000		
50	8.5	56000		220000		
	10.0	68000, 82000				
	11.0	100000				
	4.0	4700, 6800	10000, 15000	15000~33000		
	5.0	10000	10000~22000	15000~47000		
	5.5	12000	33000	68000		
	6.0	15000				
	6.5	18000, 22000	47000	100000		
7.5	27000, 33000	68000, 82000	150000			
Capacitance Tolerance (%)		10%, 20%	20%, +80-20%	+80-20%		