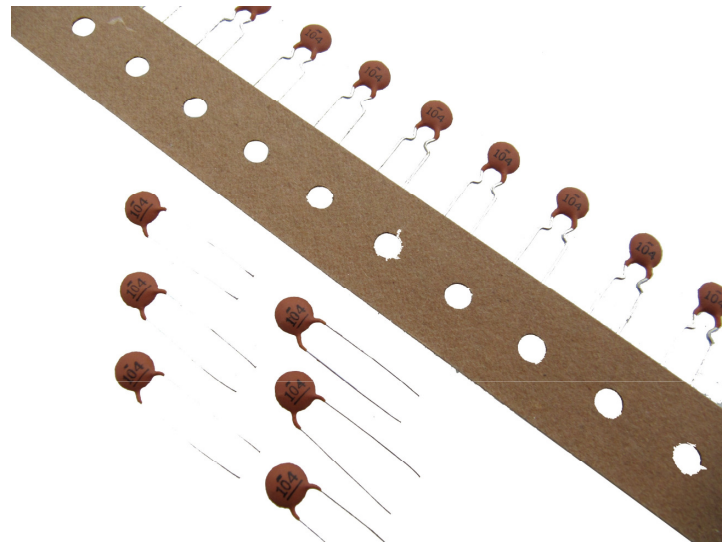
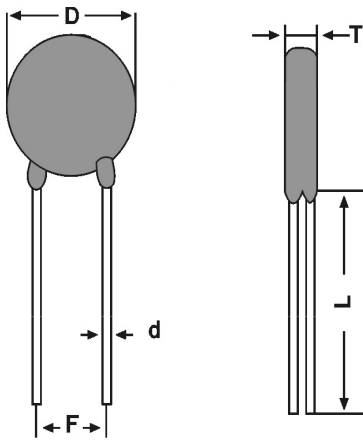


# Temperature Compensating Ceramic Disc Capacitor

PC21 temperature compensating disc capacitor have a ceramic dielectric that is formulated to provide a predictable linear capacitance changed versus temperature. This predictable linear capacitance changed allows the temperature compensating disc capacitors to be used in critical circuit applications such as tuned circuits.

## Specifications

- \* Operating Temperature: -25 to +85°C
- \* Capacitance: Under 1 MHz and 25°C +/-2°C, Vrms=1.0V conditions, not exceed capacitance tolerance
- \* Q Value: At C < 30pF, Q ≥ 400+20 x C, At C ≥ 30pF, Q ≥ 1000
- \* Voltage Proof: 2.5Ur
- \*Temperature Coefficient: C0, SL
- \* Insulation Resistance: At rated voltage, R ≥ 10000MΩ



### Color Code

T.C.	Color	T.C.	Color
NPO	Black	N220	Yellow
N80	Red	N330	Green
N150	Orange	N750	Violet

### Capacitor Range And Diameter

50VDC							500VDC		Tolerance	Diameter
CH (NPO)	PH (N150)	PH (N220)	SH (N330)	TH (N470)	UJ (N750)	SL	NPO	SL		
0.5 - 9	1 - 9	1 - 9	2 - 9	2 - 9	2 - 9	2 - 9	1 - 9	2 - 9	C, D	4 - 5mm
10 - 47	10 - 39	10 - 47	10 - 47	10 - 47	10 - 47	10 - 200	10 - 12	10 - 30	K, J	4 - 5mm
50 - 68	47 - 56	50 - 56	50 - 68	50 - 68	50 - 68	200 - 270	13 - 15	33 - 120	K, J	6.0 mm
82 - 100	62 - 82	68 - 100	82 - 100	82 - 100	82 - 100	300 - 330	16 - 22	-	K, J	7.0 mm
120 - 150	100 - 150	120 - 150	120 - 150	120 - 150	120 - 180	360 - 470	-	200 - 270	K, J	8.0 mm
180 - 200	150 - 180	180 - 200	180 - 200	180 - 200	200 - 220	500 - 560	24 - 27	200 - 270	K, J	9.0 mm
220 - 270	200 - 220	220	220	220	-	680 - 820	-	300 - 470	K, J	10.0 mm