

SEMICONDUCTOR TYPE

FEATURES

- STABLE TEMPERATURE CHARACTERISTICS
- HIGH VOLUMETRIC EFFICIENCY
- ECONOMICALLY PRICED
- AVAILABLE WITH FORMED LEADS AND ON TAPE FOR AUTOMATIC INSERTION

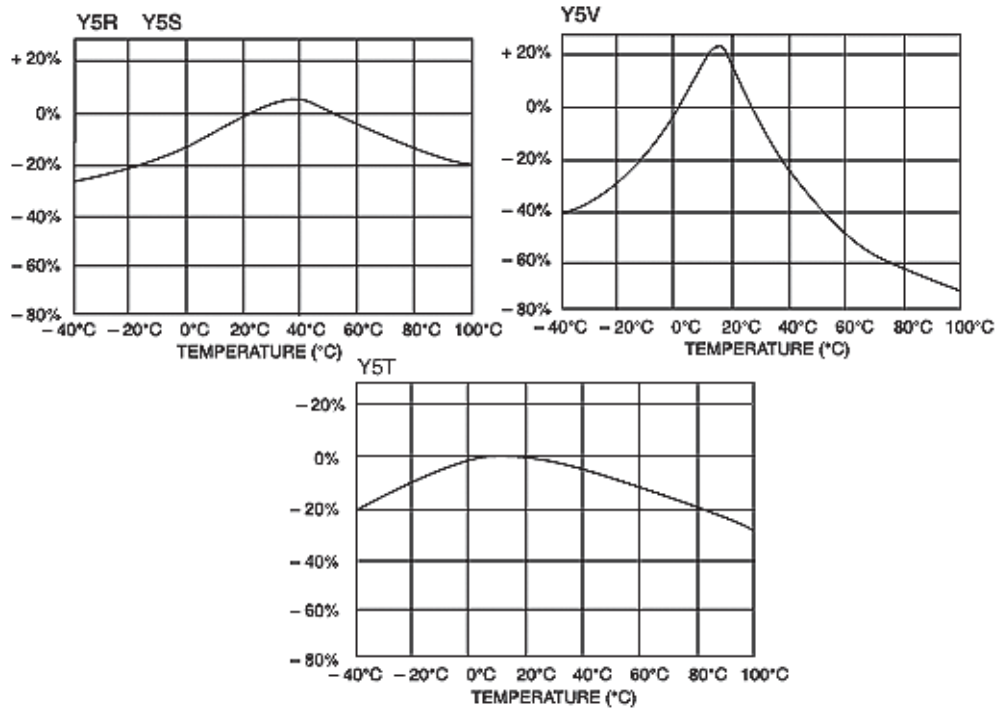
*See Part Number System for Details



SPECIFICATIONS

Temperature Characteristics	Y5R	Y5S	Y5T	Y5V
Operating Temperature Range	-30°C ~ +85°C			
Standard Tolerance	±20% (M)			
Capacitance Change Over Temperature Range	±20%	±22%	-33% ~ +22	-82% ~ +20%
Dissipation Factor	Maximum 8%			
Insulation Resistance	12Vdc = 0.004Megohms		16Vdc = 1Megohm	
Working Voltage Range	12Vdc ~ 50Vdc			
Dielectric Withstanding Voltage (Test Voltage)	1.25 Times Rated Voltage For Not Less Than 1 Second, 50mA Maximum			
Test Conditions	1KHz, 0.5V ± 0.1Vrms, +25°C			

PERCENT OF CAPACITANCE CHANGE



Ceramic Disc Capacitors

NCD Series Class III

Body Diameter	Lead Spacing (mm) - S			
	Standard Bulk	Standard T&R	Optional Bulk mm (inches)	Optional T&R mm (inches)
5 ~ 11	6.35 ± 0.8	5.0 ± 0.8	5.0 ± 0.8 (0.200LS)	2.5 ± 0.8 (0.100LS)
≥12	6.35 ± 0.8	5.0 ± 0.8	7.5 ± 0.8 (0.295LS)	7.5 ± 0.8 (0.295LS)
			10.0 ± 0.8 (0.395LS)	10.0 ± 0.8 (0.395LS)

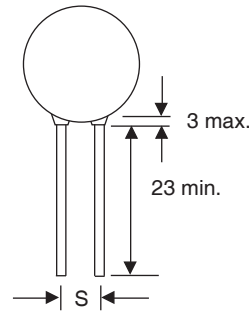
LEAD DIAMETER

0.6MM IS STANDARD

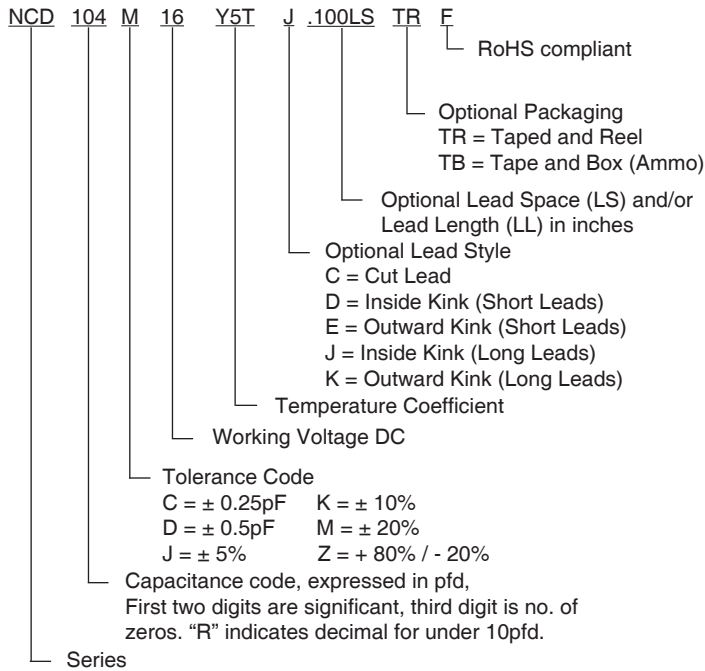
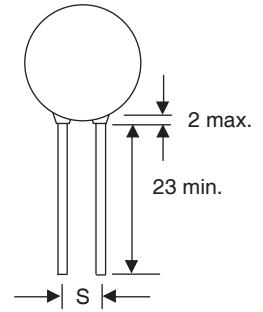
BODY THICKNESS

2 ~ 4MM DEPENDENT ON CV

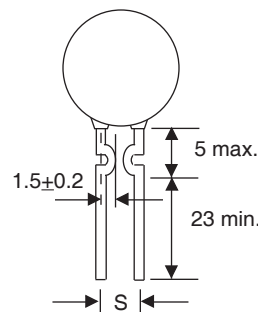
Standard 500Vdc & Up



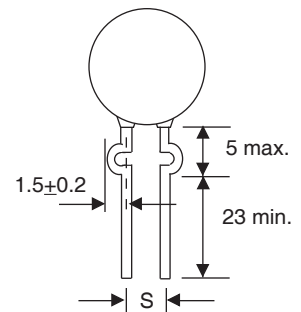
Low Voltage 100Vdc & Below



J Style

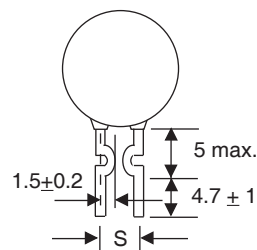


K Style

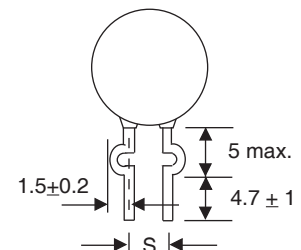


(BULK AND TAPED STYLES)

D Style



E Style



(BULK ONLY)

STANDARD PRODUCTS AND MAXIMUM DIAMETER (mm) BY T.C. AND VOLTAGE

Cap. (µF)	Y5R/Y5S				Y5T				Y5V			
	Working Voltage (Vdc)											
	12	16	25	50	12	16	25	50	12	16	25	50
0.01	6	6	6	6	6	6	6	6	5	5	5	5
0.022	7	7	7	7	7	7	7	8	6	6	6	6
0.033	7	7	7	7	7	7	7	9	6	6	6	7
0.047	9	9	9	9	7	7	7	9	6	6	6	7
0.068	10	10	10	10	8	8	8	12	7	7	7	7
0.1	10	10	10	12	10	10	10	12	7	7	7	8
0.22	-	-	-	-	-	-	-	-	10	10	10	-

NIC RESERVES THE RIGHT TO REQUEST MINIMUM QUANTITIES ON CERTAIN VALUES



NIC COMPONENTS CORP.

Specifications are subject to change

