

Ceramic Disc Capacitors

NCD Series High Voltage

HIGH VOLTAGE TYPE

FEATURES

- 2KV, 3KV, 5KV, 10KV, AND 15KV VOLTAGE RATINGS
- HIGH PERFORMANCE AND RELIABILITY
- ECONOMICALLY PRICED
- AVAILABLE WITH FORMED LEADS
- TAPE PACKAGING OPTION FOR AUTOMATIC INSERTION

*See Part Number System for Details

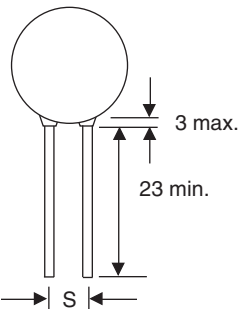


SPECIFICATIONS

Temperature Characteristics	NPO	SL	N3300	Y5P	Z5U	Z5V
Operating Temperature Range	-30°C ~ +85°C				+10°C ~ +85°C	
Capacitance Change Over Temperature Range	0±30ppm	N330 ± 500ppm	-13% ~ +12%	±10%	+22% ~ -56%	+22% ~ -82%
Dissipation Factor	0.1% max.		0.3% max.	2.5% max.	5% max.	
Insulation Resistance	Minimum 10,000 Megohms					
Dielectric Withstanding Voltage (Test Voltage)	2.5 Times Rated Voltage For Not Less Than 1 Second, 50mA Maximum					
Test Conditions	≤1,000pF; 1MHz, 1.2Vrms Max., >1,000pF; 1KHz, 1.2Vrms Max.			1KHz, 1.0V ±0.2Vrms Max.	1KHz, 0.5V ±0.1Vrms Max.	

TEMPERATURE CHARACTERISTICS: See Class I and Class II Data Sheets

Standard
500Vdc & Up



LEAD SPACING AND DIAMETER(mm)

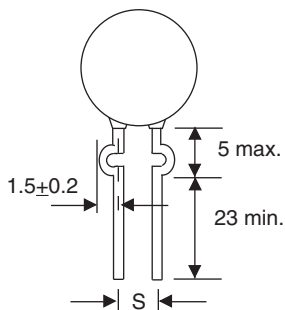
Voltage Rating	Lead Spacing - S Bulk ±0.8mm	Lead Spacing - S Tape & Reel/Tape & Box	Lead Diameter ±0.05
2KVdc	(7~10mm Dia.):6.35mm (12~22mm Dia.):9.5mm	(7~10mm Dia.):6.35mm (12~22mm Dia.):9.5mm*	0.6mm
3KVdc	(7~10mm Dia.):6.35mm (12~22mm Dia.):9.5mm	(7~10mm Dia.):6.35mm (12~22mm Dia.):9.5mm*	(7~10mm Dia.):0.6mm (12~22mm Dia.):0.8mm
5KVdc	(7~10mm Dia.):6.35mm (12~22mm Dia.):9.5mm	(7~10mm Dia.):6.35mm (12~22mm Dia.):9.5mm*	0.8mm
10KVdc/ 15KVdc	9.5mm	9.5mm*	0.8mm

*All values are not available on tape. Consult factory for availability and leadspac options.

THICKNESS 5 ~ 7MM DEPENDENT ON CV
(thinner parts available by special order)

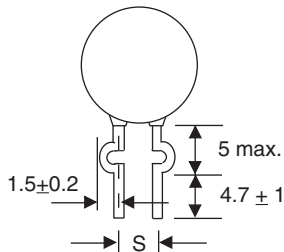
Voltage Ratings 4KVDC and Higher Have Resin Body Coating.

K Style



(BULK AND TAPED STYLES)

E Style



PART NUMBER SYSTEM

NCD 682 M 2KV Y5P K .2LL TR E

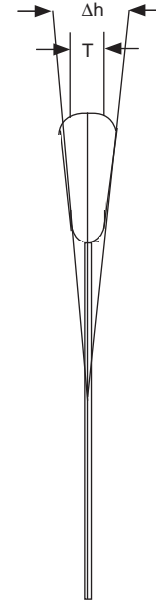
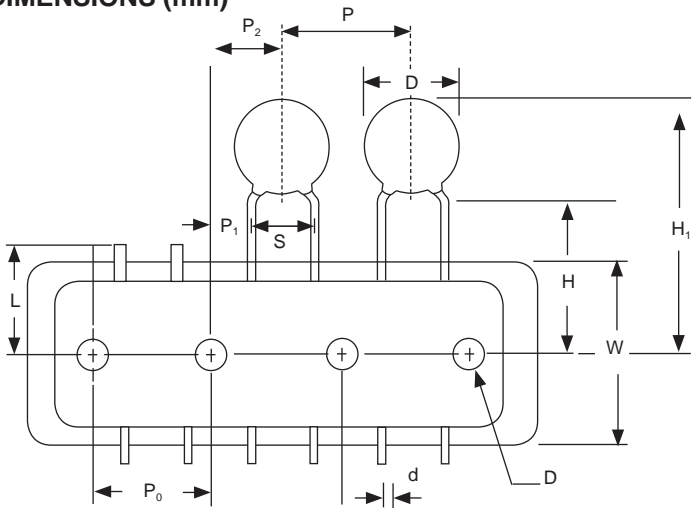
- RoHS compliant
- Optional Packaging
 - TR = Taped and Reel
 - TB = Tape and Box (Ammo)
- Optional Lead Space (LS) and/or Lead Length (LL) in inches
- Optional Lead Style
 - C = Cut Lead
 - D = Inside Kink (Short Leads)
 - E = Outward Kink (Short Leads)
 - J = Inside Kink (Long Leads)
 - K = Outward Kink (Long Leads)
- Temperature Coefficient
- Working Voltage DC
- Tolerance Code
 - C = ± 0.25pF
 - D = ± 0.5pF
 - J = ± 5%
 - K = ± 10%
 - M = ± 20%
 - Z = + 80% / - 20%
- Capacitance code, expressed in pfd, First two digits are significant, third digit is no. of zeros. "R" indicates decimal for under 10pfd.



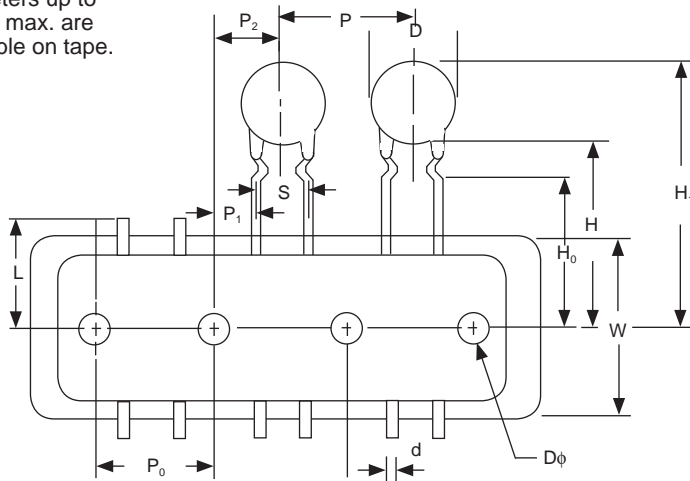
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Taping Specifications

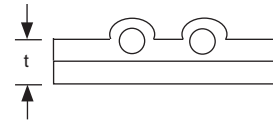
DIMENSIONS (mm)



Diameters up to 22mm max. are available on tape.



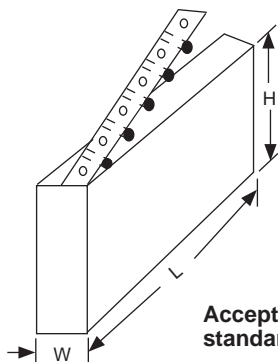
T = 2 ~ 7mm DEPENDENT ON T.C. AND CV



Symbol	D max.	d	P*	P ₀	P ₁	P ₂	S	H	H ₀	H ₁	Dφ	W	L	t	Δh
Value	12.0 22.0	0.6	12.7 25.4	12.7	5.1 3.85 3.18 2.6	6.35	2.5 5.0 6.35 7.5	20.0	16.0	Max. 32.25	4.0	18.0	Max. 11.00	0.7	0
Tolerance	---	+0.06 -0.05	±1.0	±0.2	±0.7	±1.0	±0.8 -0.2	+1.5 -1.0	±0.5	---	±0.2	±0.5	---	±0.2	±2.0

* -Dimension "P" is 12.7mm, for diameters up to 12mm, and 25.4mm for diameters 13-22mm.

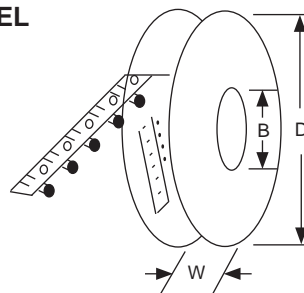
AMMO PACK



H ≤ 372 (14.64")
L ≤ 377 (14.84")
W ≤ 55 (2.16")

Acceptable to standard radial type cartridge.

REEL



D ≤ 354 (13.93")
B ≥ 21 (.83") but
≤ 30 (1.18")
W ≤ 55 (2.16")

Acceptable to standard radial type cartridge with a few extra accessories.

