

HIGH VOLTAGE TYPE

FEATURES

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

RoHS Compliant
includes all homogeneous materials

*See Part Number System for Details

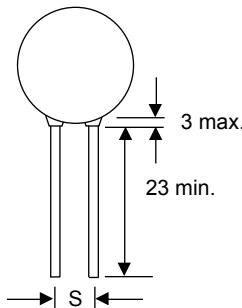


SPECIFICATIONS

Temperature Characteristics	SL	Y5P	Z5U	Z5V
Operating Temperature Range	-30°C ~ +85°C		+10°C ~ +85°C	
Capacitance Change Over Temperature Range	N330 ± 500ppm	±10%	+22% ~ -56%	+22% ~ -82%
Dissipation Factor	0.1% max.	2.5% max.	5% max.	
Insulation Resistance	Minimum 10,000 Megohms			
Dielectric Withstanding Voltage (Test Voltage)	2.0 Times Rated Voltage For 1 ~ 5 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



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

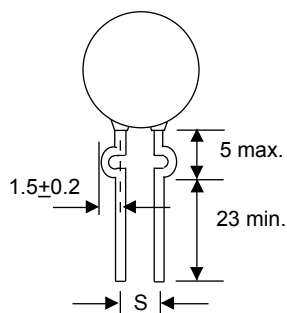
*All values are not available on tape. Consult factory for availability and leadspac options.

THICKNESS 5 ~ 7MM DEPENDENT ON CV

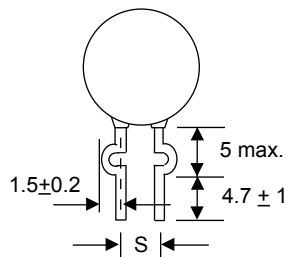
(thinner parts available by special order)

Voltage Ratings 4KVDC and Higher Have Resin Body Coating.

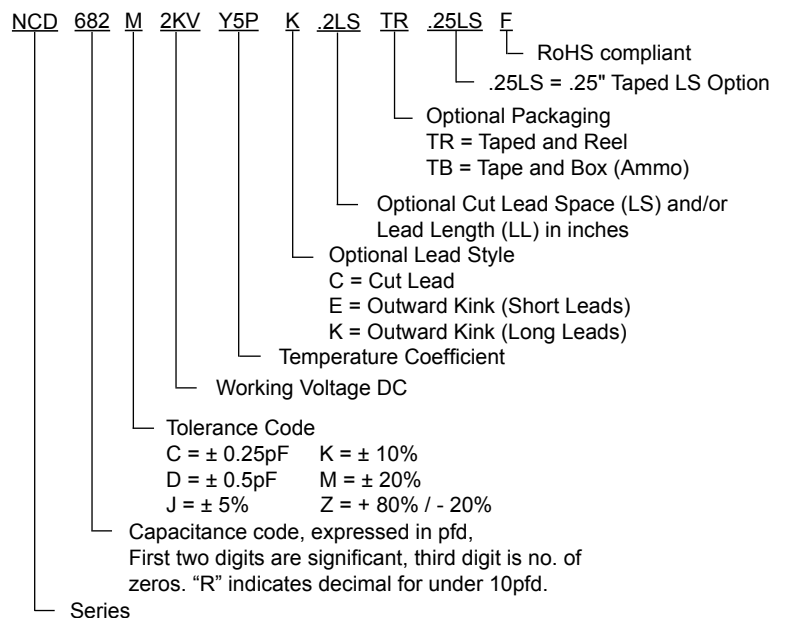
K Style



E Style



(BULK AND TAPED STYLES)

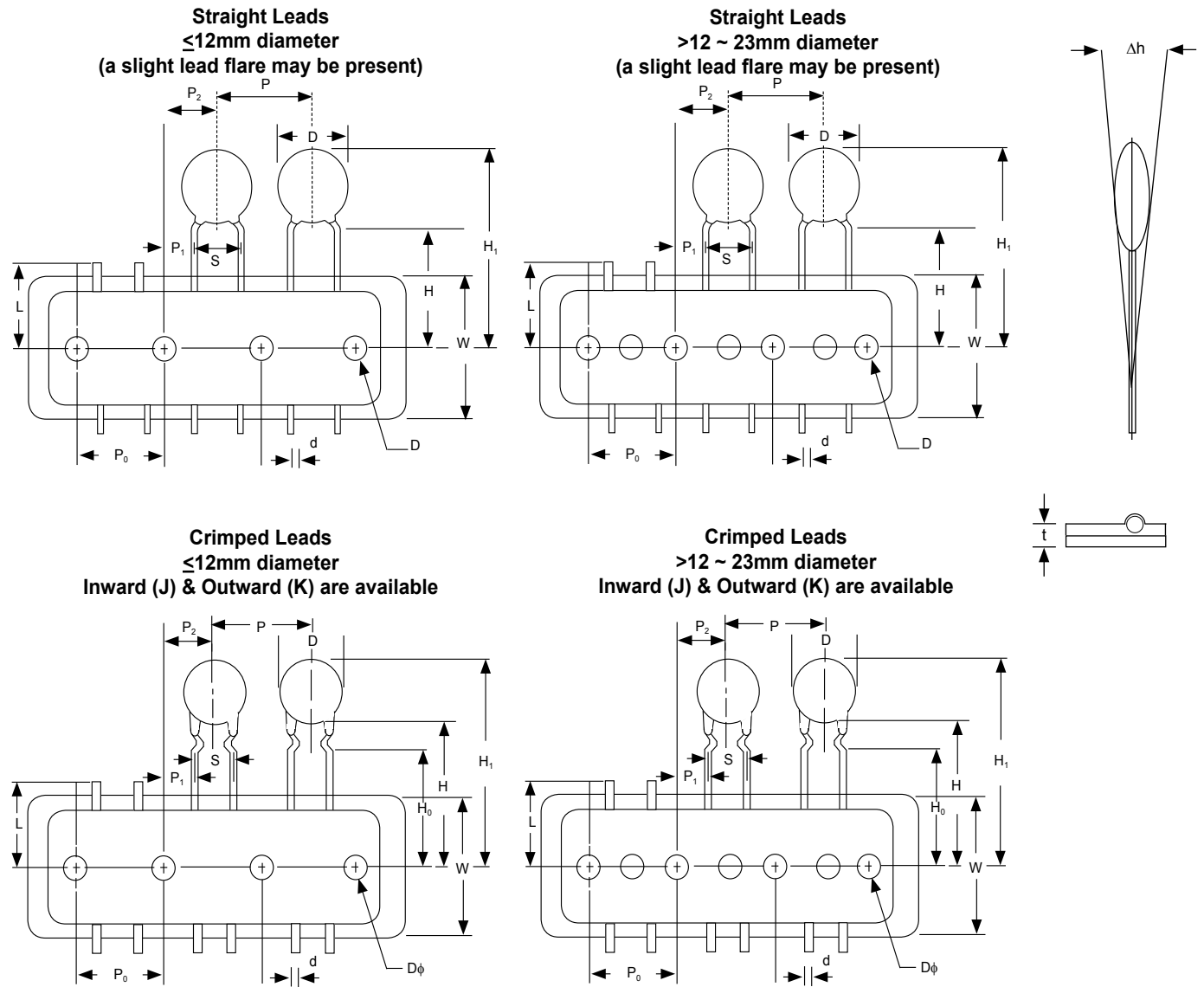


STANDARD PRODUCTS AND MAXIMUM DIAMETER (mm) BY T.C. AND VOLTAGE

Cap. (pF)	SL			Y5P			Z5U			Z5V		
	Working Voltage (Vdc)											
	2K	3K	5K	2K	3K	5K	2K	3K	5K	2K	3K	5K
4.7	-	6	6	-	-	-	-	-	-	-	-	-
6.8	-	6	6	-	-	-	-	-	-	-	-	-
8.2	6	6	6	-	-	-	-	-	-	-	-	-
10	6	6	6	-	-	-	-	-	-	-	-	-
12	-	6	6	-	-	-	-	-	-	-	-	-
15	6	6	6	-	-	-	-	-	-	-	-	-
22	6	6	7	-	-	-	-	-	-	-	-	-
30	-	-	8.5	-	-	-	-	-	-	-	-	-
56	-	7.5	-	-	-	-	-	-	-	-	-	-
100	-	-	-	7	8	8	-	-	-	-	-	-
120	-	-	-	7	8	8	-	-	-	-	-	-
150	-	-	-	7	8	8	-	8	8	-	-	-
180	-	-	-	7	8	8	-	8	8	-	-	-
220	-	-	-	7	8	8	-	8	8	-	-	-
270	-	-	-	7	8	8	-	8	8	-	-	-
330	-	-	-	7	8	9	-	8	8	-	-	-
470	-	-	-	7	8	10	-	8	8	-	-	-
680	-	-	-	7	9	12	-	8	9	-	-	-
820	-	-	-	8	10	14	-	8	9	-	-	-
1000	-	-	-	9	12	14	7	8	12	7	8	9
1500	-	-	-	10	12	16	8	9	16	7	8	10
2200	-	-	-	12	14	20	9	10	16	8	9	12
3300	-	-	-	14	16	24	12	12	18	9	10	14
4700	-	-	-	16	18	26	12	16	18	10	12	16
5600	-	-	-	18	20	-	14	16	20	12	12	16
6800	-	-	-	20	22	-	14	18	22	12	14	18
8200	-	-	-	22	-	-	16	18	24	14	14	18
10,000	-	-	-	-	-	-	16	20	-	14	16	20
12,000	-	-	-	-	-	-	18	22	-	16	18	22
15,000	-	-	-	-	-	-	20	-	-	16	18	24
18,000	-	-	-	-	-	-	22	-	-	18	20	-
22,000	-	-	-	-	-	-	-	-	-	18	22	-
33,000	-	-	-	-	-	-	-	-	-	22	-	-



DIMENSIONS (mm)

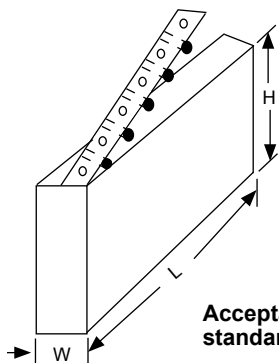


Symbol	D max.	d	P	P ₀	P ₁	P ₂	S	H	H ₀	H ₁	Dφ	W	L	t	Δh
Value	≤ 12	0.6	12.7	12.7	5.1	6.35	2.5	20.0	Applies to Parts with Crimped Leads 16.0	32.25 max.	4.0	18.0	11.0 max.	0.6	0.0
					3.85		5.0			H max. + D max.					
					3.18		6.35								
	>12 ~ 23	0.6 or 0.8*	25.4	8.95	12.7	7.5	9.5								
Tolerance	≤ 12	+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	---	±0.3	±2.0

*Lead diameter dependent on capacitor diameter. Contact NIC for details



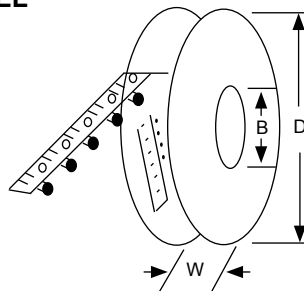
AMMO PACK



$H \leq 372$ (14.64")
 $L \leq 377$ (14.84")
 $W \leq 55$ (2.16")

Acceptable to standard radial type cartridge.

REEL



$D \leq 354$ (13.93")
 $B \geq 21$ (.83") but
 ≤ 30 (1.18")
 $W \leq 55$ (2.16")

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

PART NUMBER SUFFIX FOR OPTIONAL TAPE & REEL OR TAPE & BOX PACKAGING

Tape & Reel Straight Lead Options

TRF = Tape & Reel with 5mm lead-space
 TR.100LSF = Tape & Reel with 2.0mm lead-space
 TR.250LSF = Tape & Reel with 6.35mm lead-space
 TR.300LSF = Tape & Reel with 7.5mm lead-space
 TR.375LSF = Tape & Reel with 9.5mm lead-space

Tape & Reel Crimped Lead Options (J = Inward Crimp, K = Outward Crimp)

JTRF or KTRF = Tape & Reel with 5mm lead-space
 JTR.250LSF or KTR.250LSF = Tape & Reel with 6.35mm lead-space
 JTR.300LSF or KTR.300LSF = Tape & Reel with 7.5mm lead-space
 JTR.375LSF or KTR.375LSF = Tape & Reel with 9.5mm lead-space

Tape & Box Straight Lead Options

TBF = Tape & Reel with 5mm lead-space
 TB.100LSF = Tape & Reel with 2.0mm lead-space
 TB.250LSF = Tape & Reel with 6.35mm lead-space
 TB.300LSF = Tape & Reel with 7.5mm lead-space
 TB.375LSF = Tape & Reel with 9.5mm lead-space

Tape & Box Crimped Lead Options (J = Inward Crimp, K = Outward Crimp)

JTBF or KTBF = Tape & Reel with 5mm lead-space
 JTB.250LSF or KTB.250LSF = Tape & Reel with 6.35mm lead-space
 JTB.300LSF or KTB.300LSF = Tape & Reel with 7.5mm lead-space
 JTB.375LSF or KTB.375LSF = Tape & Reel with 9.5mm lead-space

Notes:

1. The above lead-space options may not be available in all part diameters. Contact NIC for details.
2. Inward "J style" and outward "K style" may not be available in all part diameters and voltages. Contact NIC for details.

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