

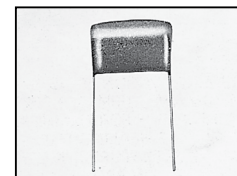
Metalized Polyester Film Capacitors

NRM Series

EPOXY COATED, NON-INDUCTIVE, CAPACITORS,
RADIAL LEAD

FEATURES

- NON-INDUCTIVE CONSTRUCTION
- EPOXY RESIN COATED FOR EXCELLENT MOISTURE RESISTANCE
- HIGH STABILITY WITH FREQUENCY OVER AN EXTENDED OPERATING LIFE
- HIGH PERFORMANCE AT LOW COST
- LEAD FORMING AND CUT LEADS AVAILABLE
- METALLIZED CONSTRUCTION PROVIDE SELF HEALING CHARACTERISTICS



**RoHS
Compliant**
includes all homogeneous materials

SPECIFICATIONS

Operating Temperature	-40°C ~ +105°C
Rated Voltage (VDC)	100V, 250V, 400V, 630V
Capacitance Range	0.01μF ~ 6.8μF
Capacitance Tolerance	±10% (K), ±5% (J)
Insulation Resistance	C < 0.33μF IR ≥ 15,000 Megohm C ≥ .33μF IR ≥ 5,000 Megohm
Dissipation Factor	<0.01 (at 1KHz)
Dielectric Strength	150% of Rated Voltage for 5 Seconds

*See Part Number System for Details

PART NUMBER SYSTEM

NRM 104 K 250 TB F

Series

Capacitance code in pF, first two digits are significant, third digit is no. of zeros.
E.G. 102 = .001μF, 103 = .01μF, 104 = .1μF

Tolerance Code J = ±5%, K = ±10%

Voltage (VDC)

Tape & Box Packaging*

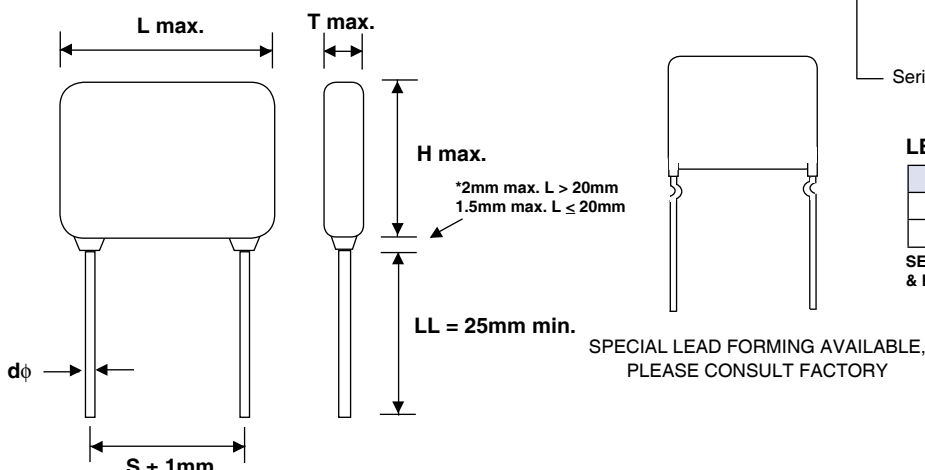
RoHS compliant

*Parts with 12.5mm length

LEAD SPACING (BULK) AND DIAMETER (mm)

L	12.5	18.0	26.0	31.0
S	10.0	15.0	22.5	27.5
dφ	0.6	0.8	0.8	0.8

SEE TAPING SPECIFICATIONS FOR LEAD-SPACING FOR TAPE & BOX PACKAGED



STANDARD PRODUCTS AND CASE SIZE TABLE (mm)

Cap. (μF)	100VDC/63VAC			250VDC/160VAC			400VDC/200VAC			630VDC/220VAC		
	L	T	H	L	T	H	L	T	H	L	T	H
0.01	-	-	-	12.5	5.0	9.5	12.5	5.0	9.5	12.5	5.0	9.5
0.015	-	-	-	12.5	5.0	9.5	12.5	5.0	9.5	12.5	5.0	9.5
0.022	-	-	-	12.5	5.0	9.5	12.5	5.0	9.5	12.5	7.0	10.5
0.033	12.5	5.0	9.5	12.5	5.0	9.5	12.5	5.5	10.5	18.0	6.0	11.0
0.047	12.5	5.0	9.5	12.5	5.0	9.5	12.5	6.0	10.5	18.0	6.5	11.5
0.068	12.5	5.0	9.5	12.5	5.0	9.5	18.0	6.0	10.5	18.0	7.0	13.0
0.1	12.5	5.0	9.5	12.5	5.5	10.0	18.0	6.5	11.5	26.0	7.0	13.0
0.15	12.5	5.0	10.0	12.5	6.5	10.5	26.0*	6.0*	12.5*	26.0	8.5	14.0
0.22	12.5	5.5	10.0	18.0	6.5	11.5	26.0*	7.0*	15.0*	26.0	10.0	16.5
0.33	12.5	6.5	10.5	18.0	7.0	12.5	26.0	8.5	15.5	31.0	10.5	17.5
0.47	18.0	6.5	11.5	26.0	7.0	12.5	26.0	9.5	18.0	31.0	12.0	19.5
0.68	18.0	6.5	12.0	26.0	8.0	14.5	26.0	12.0	18.5	31.0	15.0	22.5
1.0	18.0	7.5	14.0	26.0	10.5	17.5	31.0	12.0	20.0	31.0	19.0	27.0
1.5	26.0	7.5	14.5	26.0	10.5	18.0	31.0	13.5	23.5	-	-	-
2.2	26.0	9.0	16.0	31.0	12.5	19.0	31.0	16.5	26.0	-	-	-
3.3	26.0	11.0	19.0	31.0	14.0	23.0	-	-	-	-	-	-
4.7	31.0	12.0	23.0	31.0	16.5	27.0	-	-	-	-	-	-
6.8	31.0	14.0	25.0	-	-	-	-	-	-	-	-	-

*REDUCED SIZE 18mmx 8.5mm x15mm ALSO AVAILABLE.

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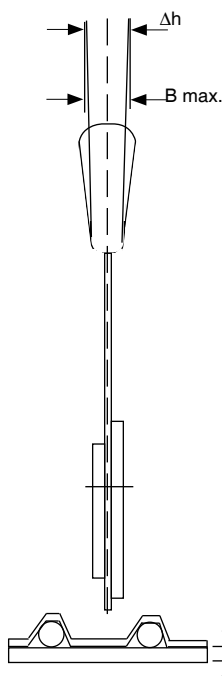
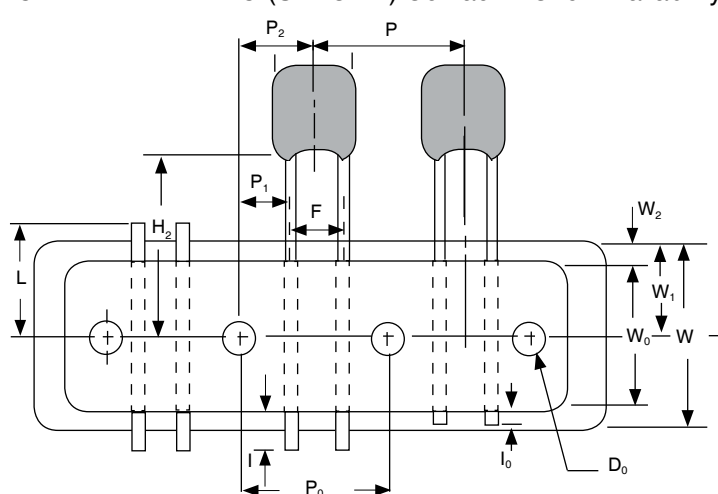
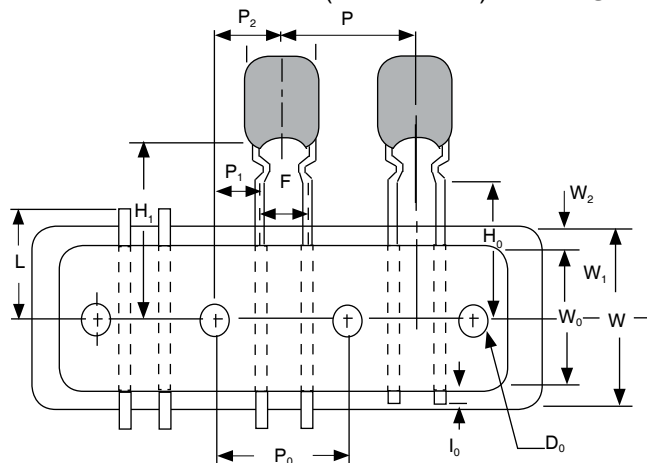
Radial Lead Taping Specifications

Film Capacitors

TAPE & BOX FOR RADIAL LEAD CAPACITOR
REFER TO EIA STANDARD RS-468

CRIMPED LEAD TAPING (STANDARD)

STRAIGHT LEAD TAPING (SPECIAL) Contact NIC for Availability.*



***NOTE:** STANDARD LEAD SPACING ON TAPED PARTS IS 5MM. SPECIAL 7.5MM, 10MM AND 15MM LEAD SPACING MAY BE AVAILABLE UPON SPECIAL REQUEST.

TO SPECIFIC:

LEAD SPACING	P/N SUFFIX
5MM	TB
7.5MM	TB (7.5MMLS)
10MM	TB (10MMLS)

Dimensions MM (inch)		
P	12.7 ± 1.0	(0.5 ± 0.0394)
P ₀	12.7 ± 0.2	(0.5 ± 0.008)
P ₂	6.35 ± 1.3	(.025 ± 0.051)
P ₁	3.85 ± 0.5	(0.152 ± 0.020)
F*	5.0 ± 0.8	(0.197 ± 0.0315)
Δh	0 ± 2.0	(0 ± 0.0787)
W	18.0 ± 0.5	(0.709 ± 0.020)
W ₁	9.0 ± 0.5	(0.354 ± 0.020)
H ₁	20.0 ± 0.75	(0.787 ± 0.030)
H ₂	18.0 ± 0.5	(0.709 ± 0.020)
H ₀	16.0 ± 0.5	(0.630 ± 0.020)
I	2.0 max.	(0.079 max.)
I ₀	7.0 max.	(0.276 max.)
φD ₀	4.0 ± 0.2	(0.157 ± 0.008)
W ₀	12.5 min.	(0.492 min.)
t	0.7 ± 0.2	(0.028 ± 0.008)
W ₂	3.0 max.	(0.118 max.)
L	11.0 max.	(0.433 max.)

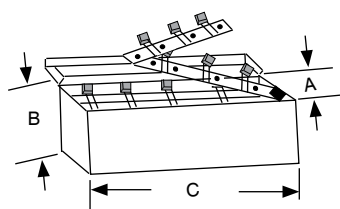
AMMO BOX PACKING TB (TAPE BOX)

BOX DIMENSIONS:

C = 330mm
B = 270mm
A = 50mm

BOX QUANTITIES:

5mm pitch = 1,500pcs/box
7.5mm pitch = 1,800pcs/box
10mm pitch = 1,200pcs/box



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