



**NIC COMPONENTS CORP.**

70 Maxess Road • Melville, New York 11747  
(631) 936-7500 • Fax (631) 396-7575

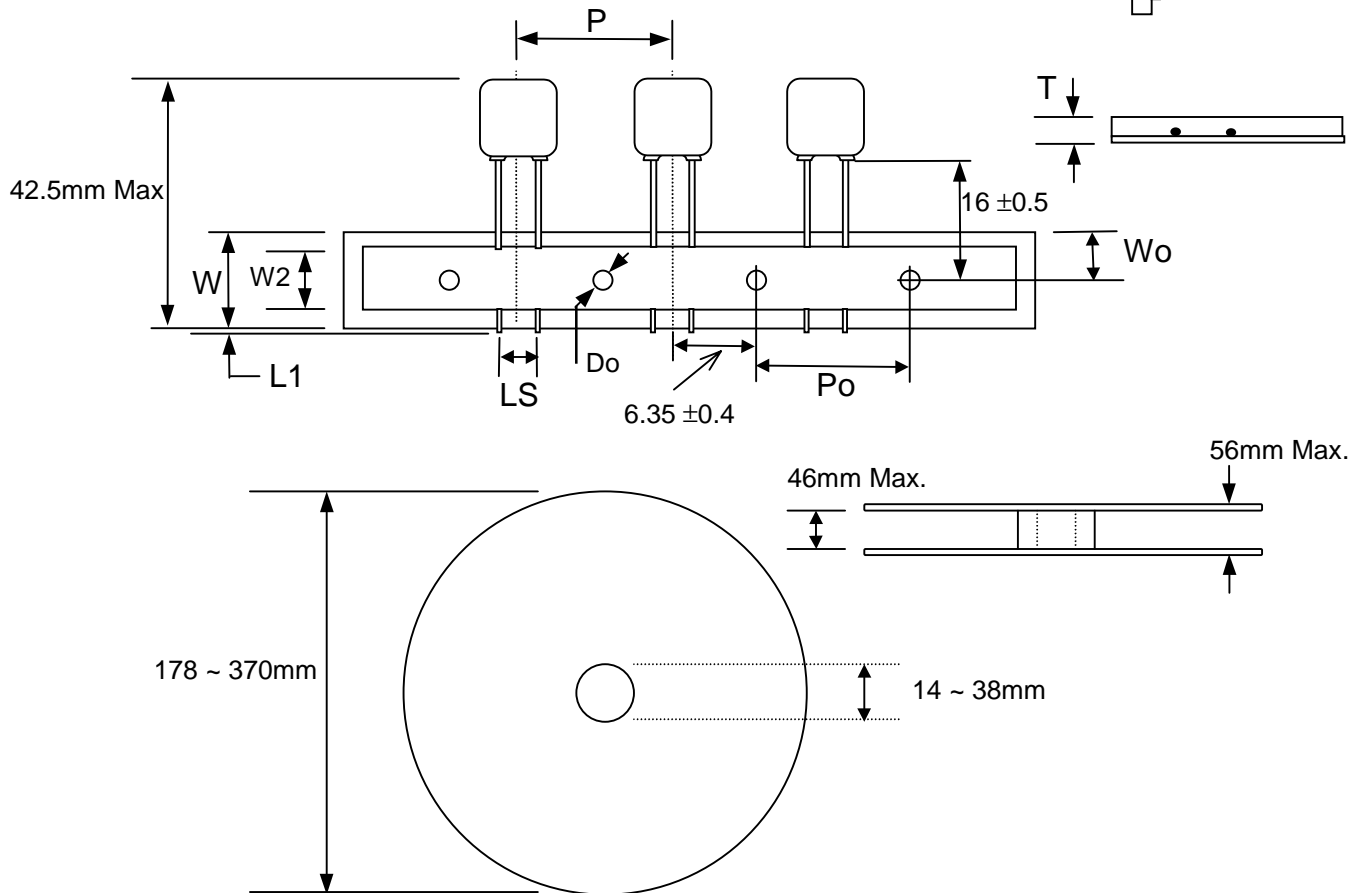
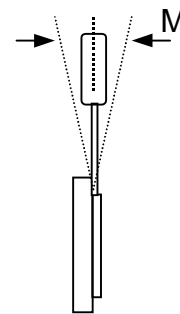
7/21/99

## TAPE SPECIFICATIONS

### **NCM SERIES RADIAL LEADED MLC CERAMIC CAPACITORS**

#### DIMENSION (mm)

- |                                  |                                               |
|----------------------------------|-----------------------------------------------|
| 1. Component Pitch (P):          | 12.7 ±1.0                                     |
| 2. Lead Spacing (LS):            | <b>2.54 +.79/-.20</b> or <b>5.0 +.79/-.20</b> |
| 3. Carrier Tape Width (W):       | 18.0 +1.0/-0.5                                |
| 4. Hold-Down Tape Width (W2):    | 12.5 +3.0/-0                                  |
| 5. Sprocket Hole Pitch (Po):     | 12.7 ±0.3                                     |
| 6. Sprocket Hole Diameter (Do):  | 4.0 ±0.2                                      |
| 7. Sprocket Hole Position (Wo):  | 9.0 +0.75/-0.5                                |
| 8. Lead Protrusion (L1):         | 1.0 Max.                                      |
| 9. Composite Tape Thickness (T): | 0.9 Max.                                      |
| 10. Component Misalignment (M):  | 1.0 Max.                                      |



**ISO 9002 REGISTERED**



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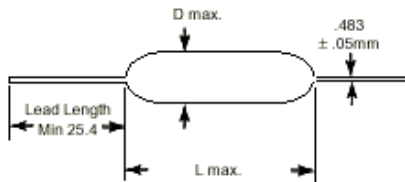
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**TAPE SPECIFICATIONS**

**NCMA SERIES  
 AXIAL LEADED MLC CERAMIC CAPACITORS**

**DIMENSIONS (mm)**

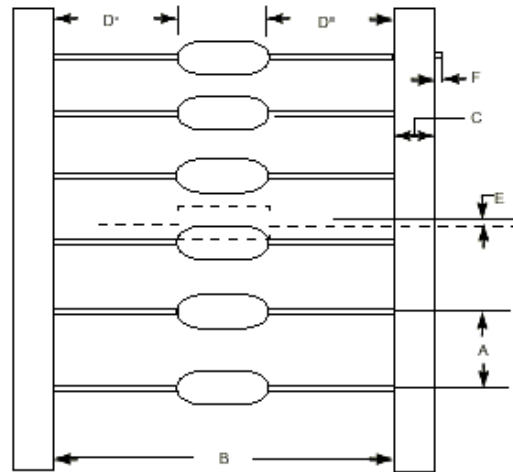
Type	D Diameter	L Length
NCMA 10	2.54	4.32
NCMA 11	3.5	4.32
NCMA 20	2.54	6.6
NCMA 30	3.81	7.37
NCMA 40	3.81	10.16



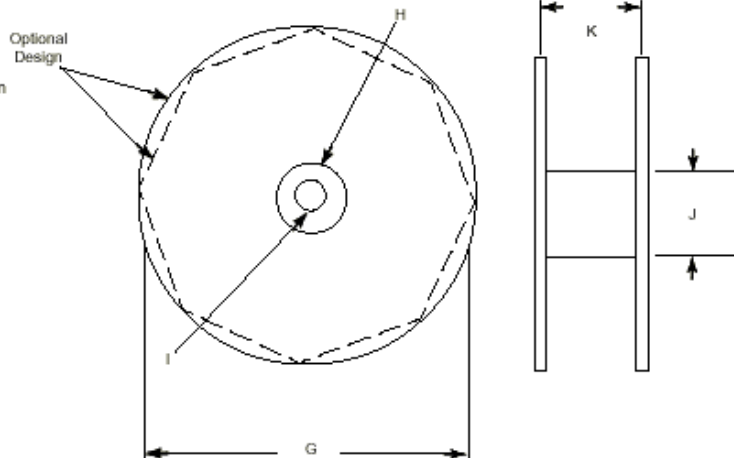
**TAPE AND REEL  
 CLASS 1  
 RS-296**

A.	5mm ± 0.5mm
B*	52.4mm ± 1.5mm
C.	6.35mm ± 0.4mm
E.	1.2mm
F.	1.6mm
G.	356mm
H.	76mm
I.	25.4mm
J.	84mm
K.	70mm

\*ALSO AVAILABLE IN 26.0mm  
 +1.5mm  
 -0mm



**LEADER TAPE:** 300mm min.  
**SPLICING TAPE:** Tape Only  
**MISSING PARTS:** 0.25% of component count max.  
 No consecutive missing parts



**REEL QUANTITIES**

NCMA 10	7500 pcs
NCMA 11	5000 pcs
NCMA 20	5000 pcs
NCMA 30	5000 pcs
NCMA 40	5000 pcs

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