



### Features

- Formerly J. W. Miller® model
- Current rating up to 7 A
- Compact size
- Tape and reel packaging
- RoHS compliant\*

### Applications

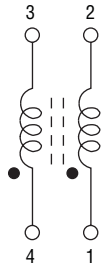
- Filtering
- Common mode

## PM3700 Series - SMD Common Mode Choke

### Electrical Specifications

Bourns Part No.	Inductance mH Min. @ 1 KHz	Part Marking	DCR (Ω) Max.	I <sub>rms</sub> (A)	Leakage Inductance (μH) Typ.	Typical Frequency Range with 20 dB Atten.
PM3700-10-RC	0.2	201	0.008	7.0	1.6	5 - 55 MHz
PM3700-20-RC	0.5	501	0.010	6.0	2.2	4 - 40 MHz
PM3700-30-RC	0.75	751	0.012	5.5	2.9	1 - 20 MHz
PM3700-40-RC	1.0	102	0.020	4.0	3.9	500 KHz - 40 MHz
PM3700-50-RC	2.0	202	0.030	3.5	0.3	300 KHz - 20 MHz
PM3700-60-RC	5.0	502	0.070	2.0	0.4	100 KHz - 10 MHz
PM3700-70-RC	10	103	0.150	1.5	0.5	50 KHz - 5 MHz
PM3700-80-RC	20	203	0.250	1.0	0.7	25 KHz - 4 MHz

### Schematics



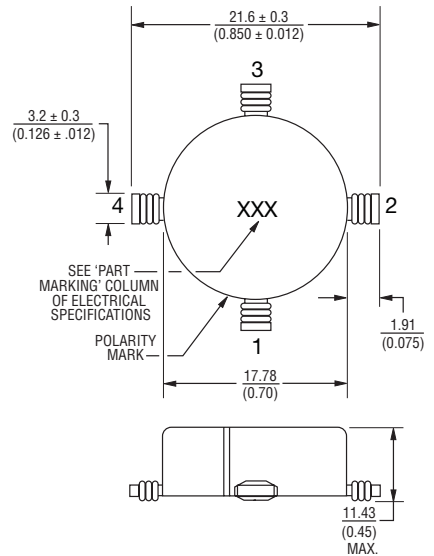
### General Specifications

Temperature Rise ... 35 °C typical at I<sub>rms</sub>  
 Operating Temperature ..... -55 °C to +125 °C  
 Storage Temperature ..... -55 °C to +125 °C  
 Soldering ..... 245 °C, 5 seconds max.  
 Dielectric Strength ..... 500 Vrms  
 between windings

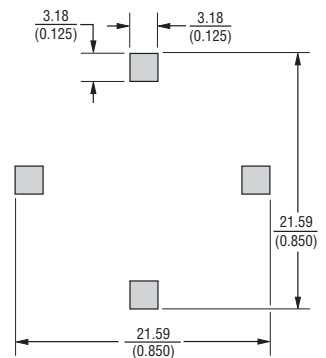
### Materials

Core ..... Ferrite  
 Wire ..... Polyester-coated copper  
 Terminal Coating ..... Sn-Ag-Cu alloy  
 Packaging ..... 200 pcs. per 13-inch reel

### Product Dimensions



### Recommended Pad Layout



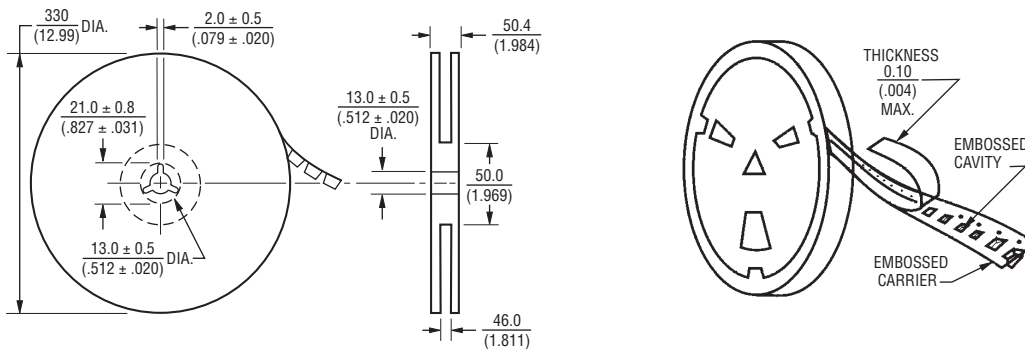
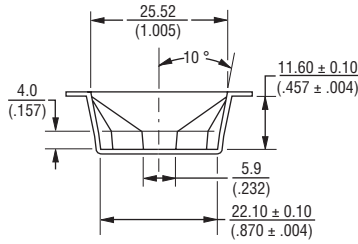
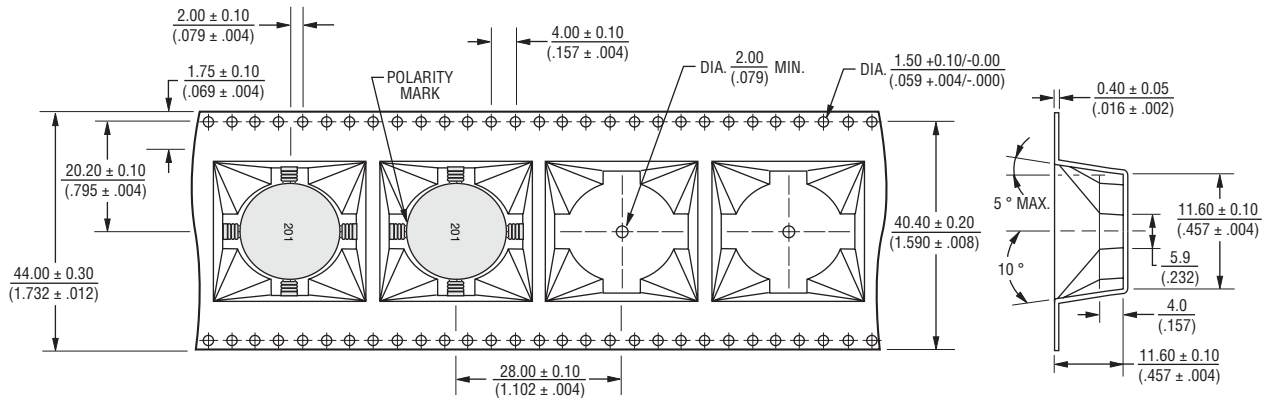
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.

# PM3700 Series - SMD Common Mode Choke

**BOURNS®**

## Packaging Specifications



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$