



## Features

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

## Applications

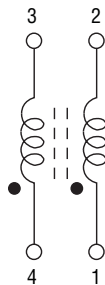
- Filtering
- Common mode

# PM3700 Series - SMD Common Mode Choke

## Electrical Specifications

| Bourns Part No. | Inductance<br>mH Min.<br>@ 1 KHz | Part<br>Marking | DCR<br>( $\Omega$ )<br>Max. | Irms<br>(A) | Leakage<br>Inductance<br>( $\mu$ H) Typ. | Typical Frequency<br>Range with<br>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                                  |

## Schematic



**BOURNS®**

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## 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

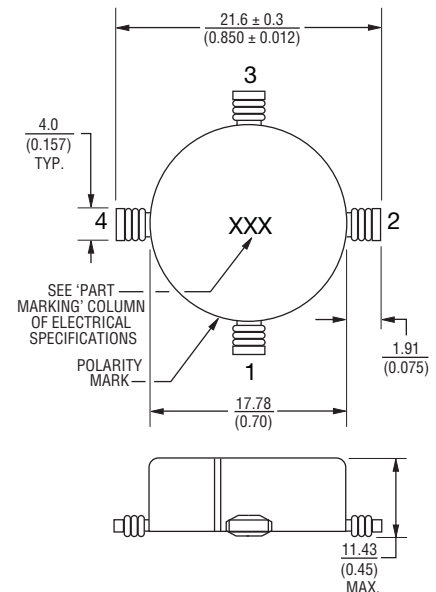
Core ..... Ferrite

Wire ..... Polyester-coated copper

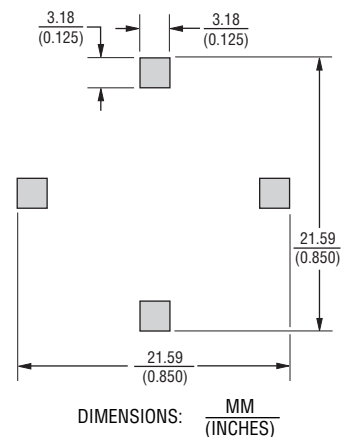
Terminal Coating ..... Sn-Ag-Cu alloy

Packaging ..... 200 pcs. per 13-inch reel

## Product Dimensions



## Recommended Pad Layout



DIMENSIONS: MM  
(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.

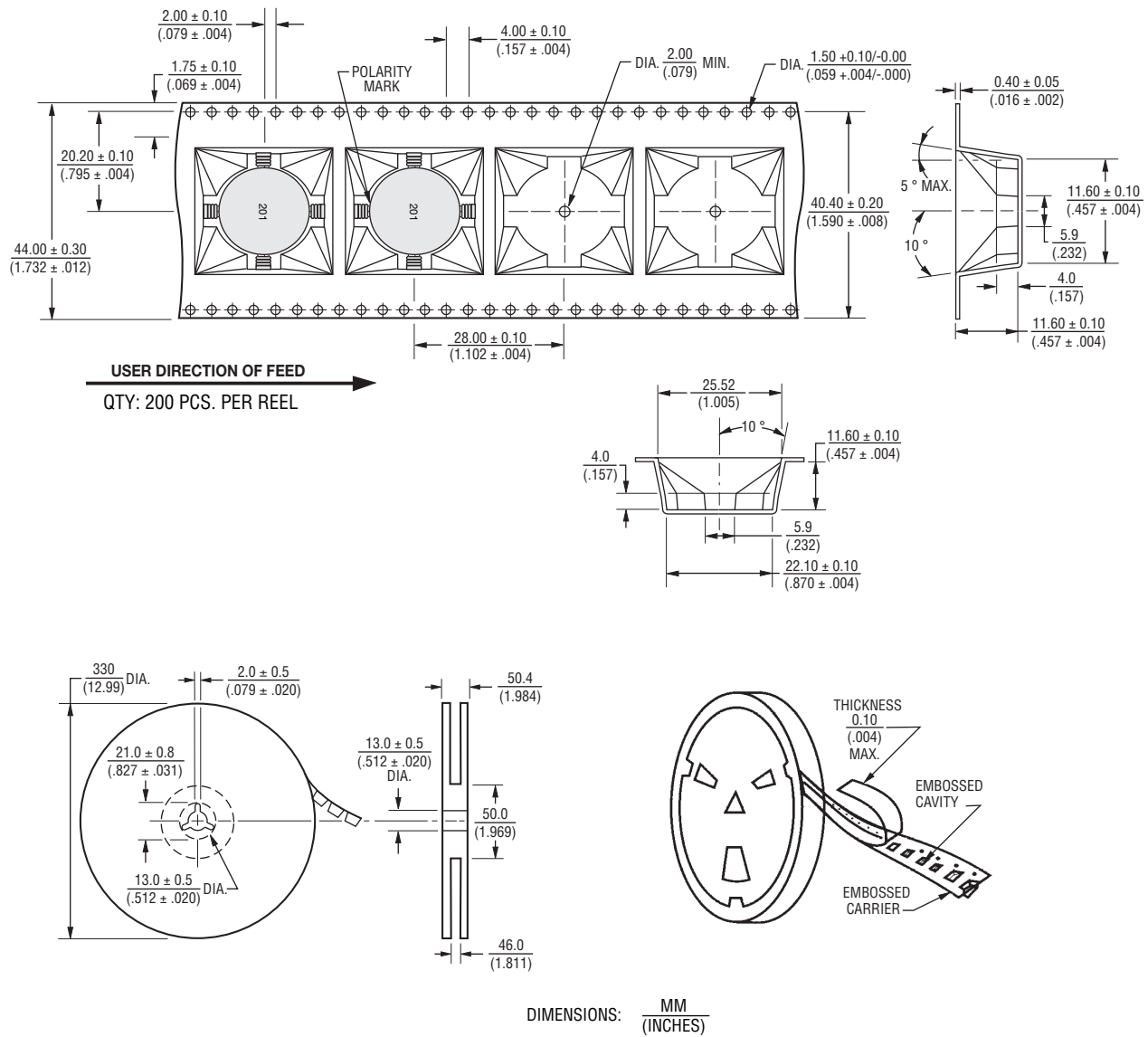
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

# PM3700 Series - SMD Common Mode Choke

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## Packaging Specifications



REV. 09/14

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