

Features

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

Applications

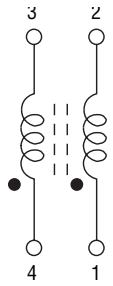
- Filtering
- Common mode

PM3700 Series - SMD Common Mode Choke

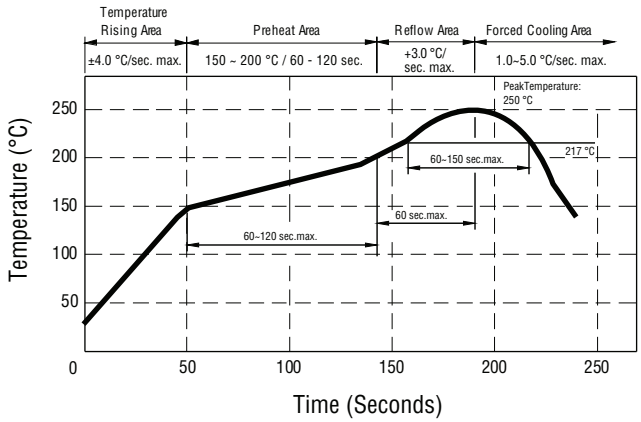
Electrical Specifications

Bourns Part No.	Inductance mH Min. @ 1 kHz / 50 mV	Part Marking	DCR (Ω) Max.	Irms (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

Schematic



Solder Profile



Peak Temperature: 245 ° ±5 °C max., 30 sec. max.
Maximum Time Above 217 °C: 60~150 seconds

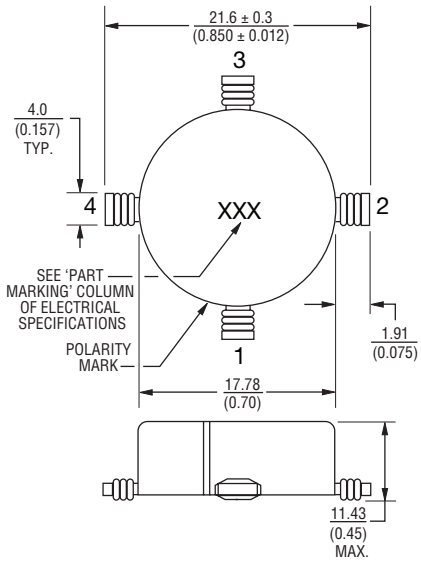
General Specifications

Temperature Rise ... 35 °C typical at Irms
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
Moisture Sensitivity Level 1
ESD Classification (HBM)..... N/A

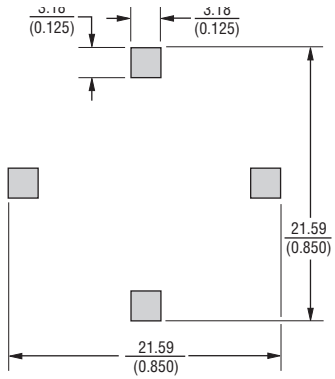
Materials

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

Product Dimensions



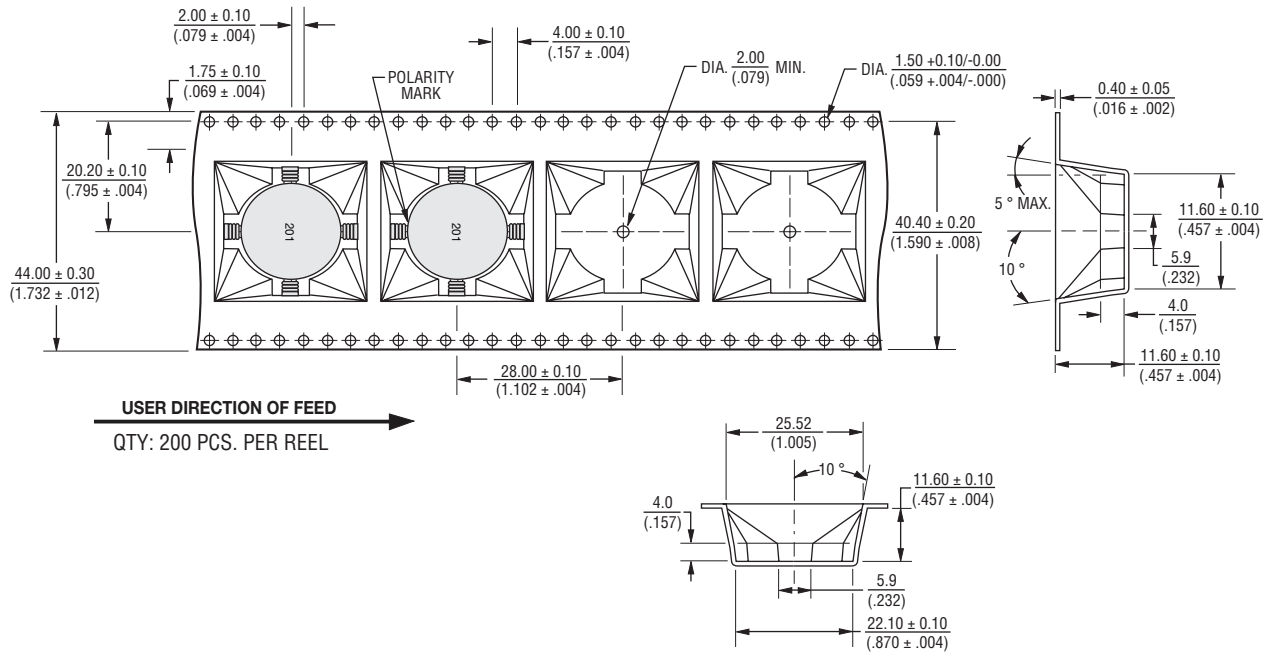
Recommended Pad Layout



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.

Packaging Specifications



DIMENSIONS: MM (INCHES)

REV. 09/17

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