

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

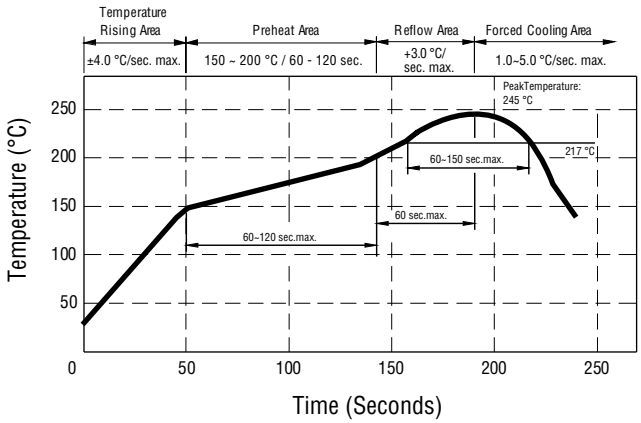
General Specifications

Temperature Rise ... 35 °C typical at Irms
Operating Temperature .. -55 °C to +125 °C
Storage Temperature ..... -55 °C to +125 °C
Dielectric Strength ..... 500 Vrms between windings
Moisture Sensitivity Level 1
ESD Classification (HBM)..... N/A

Materials

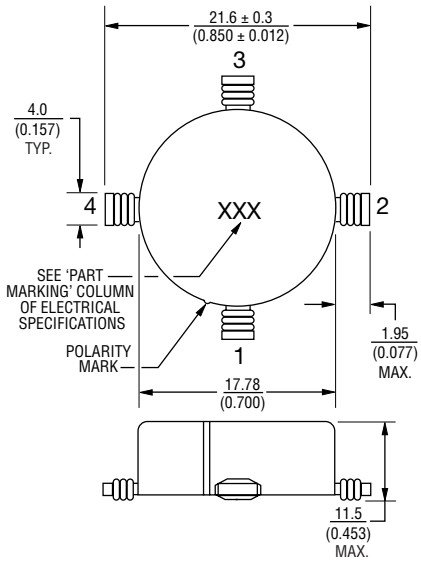
Core..... Ferrite
Wire ..... Polyester-coated copper
Terminal Finish ..... SnAgCu
Packaging.....200 pcs. per 13-inch reel

Solder Profile



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

Product Dimensions

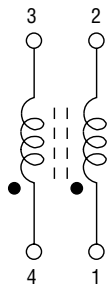


Additional Information

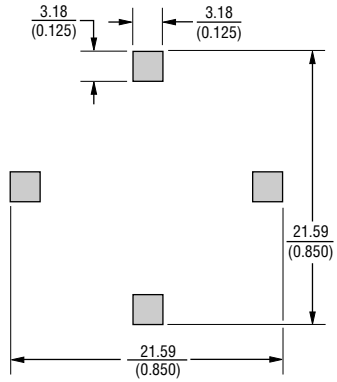
Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Schematic



Recommended Pad Layout



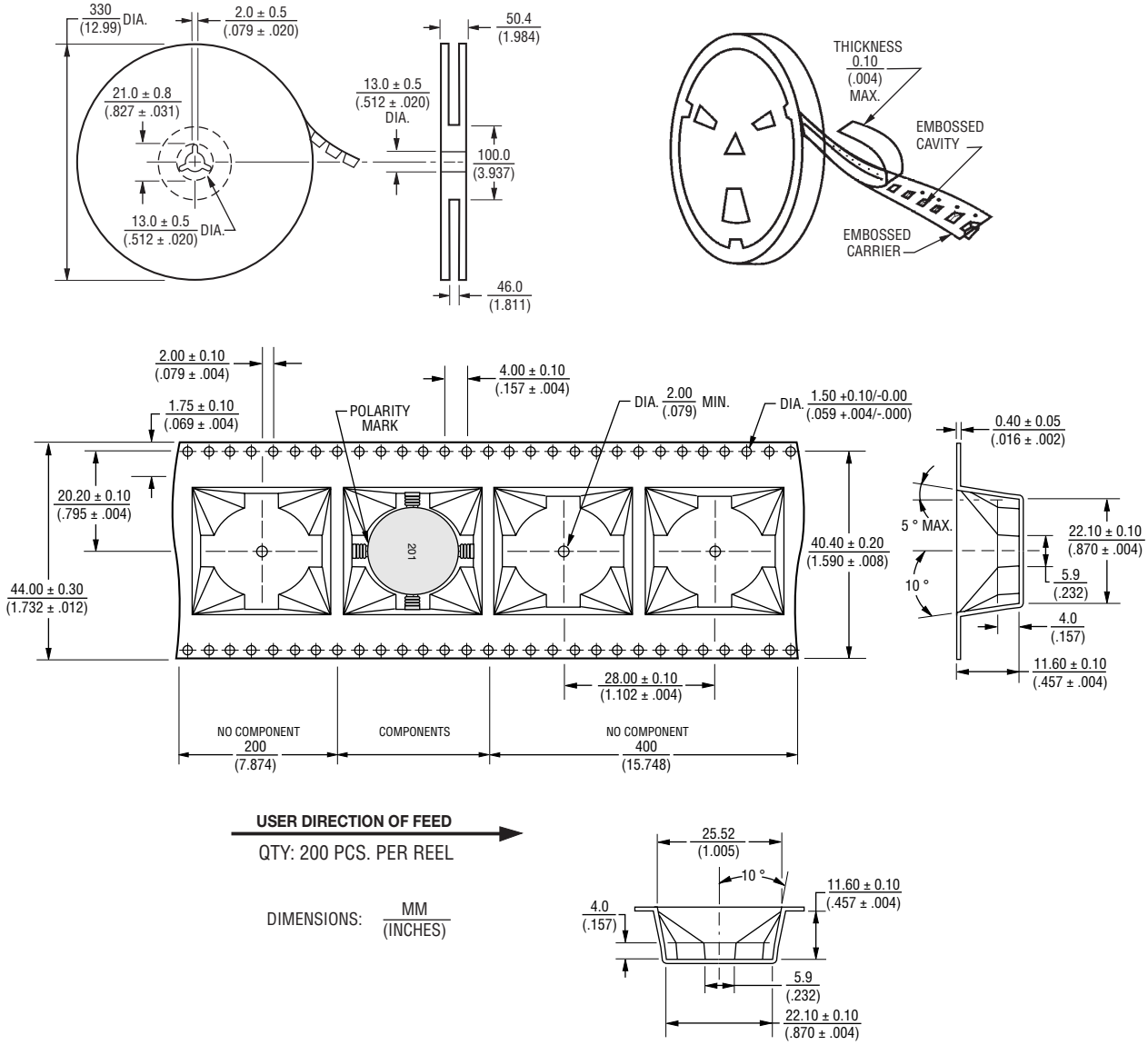
DIMENSIONS: MM (INCHES)

CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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Packaging Specifications



REV. 07/26

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