Features

- Formerly J.W. Miller® model
- Height of 4.5 mm
- Current rating up to 1.65 A
- RoHS compliant*

Applications

- Input/output of DC/DC converters
- Industrial electronics
- Power supplies for:
  - Portable communications equipment
  - Camcorders
  - LCD TVs

PM74SB Series - Shielded SMD Power Inductors

Electrical Specifications

Bourns Part No.	Inductance 100 KHz (µH)	Inductance 100 KHz Tol. (%)	Test Frequency (MHz)	SRF MHz Typ.	DCR Max. (Ω)	Idc (A)	Isat (A)
PM74SB-100M-RC	10	±20	2.52	26	0.07	1.65	2.00
PM74SB-120M-RC	12	±20	2.52	25	0.07	1.57	1.90
PM74SB-150M-RC	15	±20	2.52	20	0.08	1.39	1.68
PM74SB-180M-RC	18	±20	2.52	19	0.10	1.29	1.55
PM74SB-220M-RC	22	±20	2.52	18	0.13	1.12	1.47
PM74SB-270M-RC	27	±20	2.52	16	0.16	1.06	1.35
PM74SB-330L-RC	33	±15	2.52	15	0.18	0.97	1.16
PM74SB-390L-RC	39	±15	2.52	14	0.18	0.91	1.10
PM74SB-470L-RC	47	±15	2.52	12	0.27	0.80	0.95
PM74SB-560L-RC	56	±15	2.52	11	0.29	0.76	0.89
PM74SB-680L-RC	68	±15	2.52	10	0.33	0.68	0.76
PM74SB-820L-RC	82	±15	2.52	9	0.43	0.62	0.72
PM74SB-101K-RC	100	±10	1.00	8	0.49	0.55	0.64
PM74SB-121K-RC	120	±10	1.00	7	0.68	0.49	0.63
PM74SB-151K-RC	150	±10	1.00	6	0.94	0.44	0.56
PM74SB-181K-RC	180	±10	1.00	5	1.00	0.40	0.52
PM74SB-221K-RC	220	±10	1.00	5	1.18	0.36	0.55
PM74SB-271K-RC	270	±10	1.00	4	1.30	0.33	0.53

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

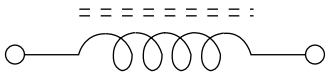
General Specifications

Test Voltage ..... 0.1 V
Reflow Soldering .... 230 °C; 50 sec max.
Operating Temperature
..... -40 °C to +125 °C
(Temperature rise included)
Storage Temperature
..... -40 °C to +125 °C
Resistance to Soldering Heat
..... 260 °C, 10 sec. max.
Moisture Sensitivity Level 1
ESD Classification (HBM)..... N/A

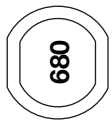
Materials

Core ..... Ferrite
Wire ..... Enameled copper
Adhesive..... Epoxy resin
Terminal ..... Sn/Cu
Rated Current
..... Ind. drop 10 % typ. at Isat
Temperature Rise ..... 40 °C typical at Idc
Packaging..... 1000 pcs. per reel

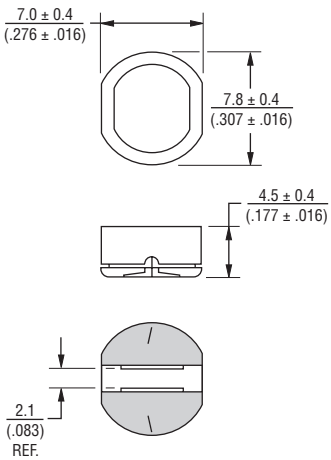
Electrical Schematic



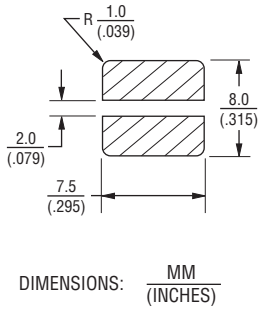
Typical Part Marking



Product Dimensions



Recommended Pad Layout



DIMENSIONS: MM (INCHES)

WARNING Cancer and Reproductive Harm - 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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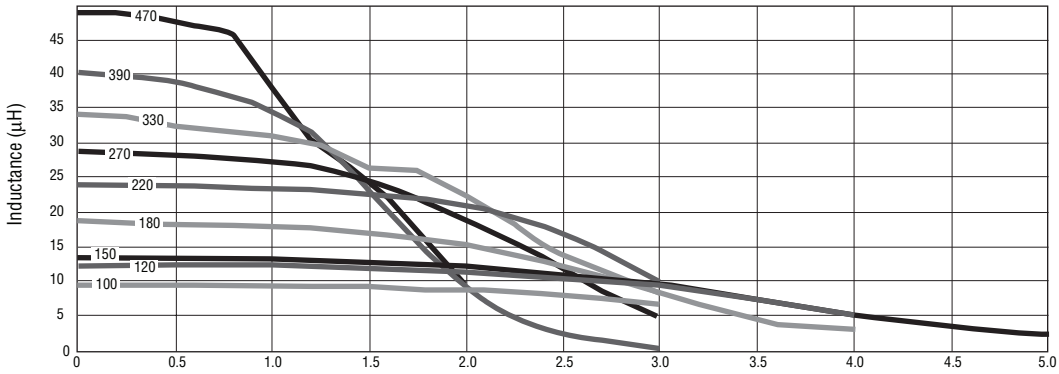
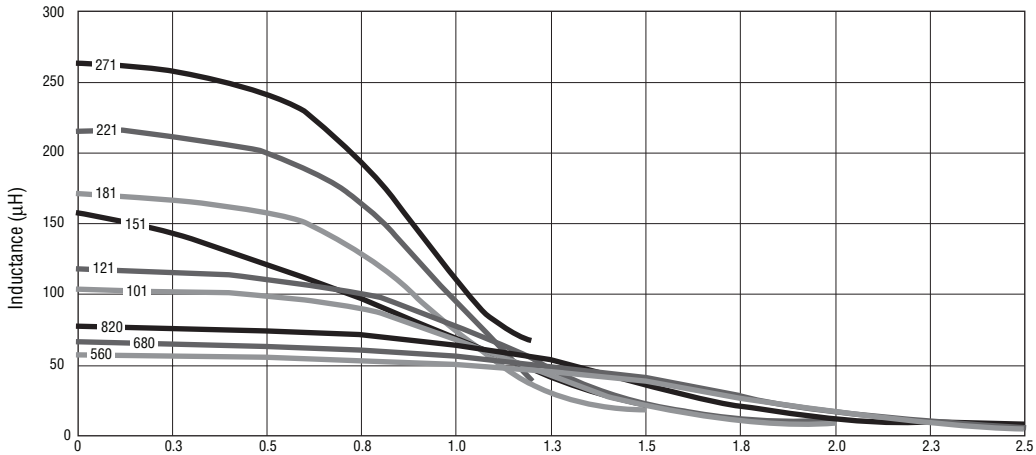
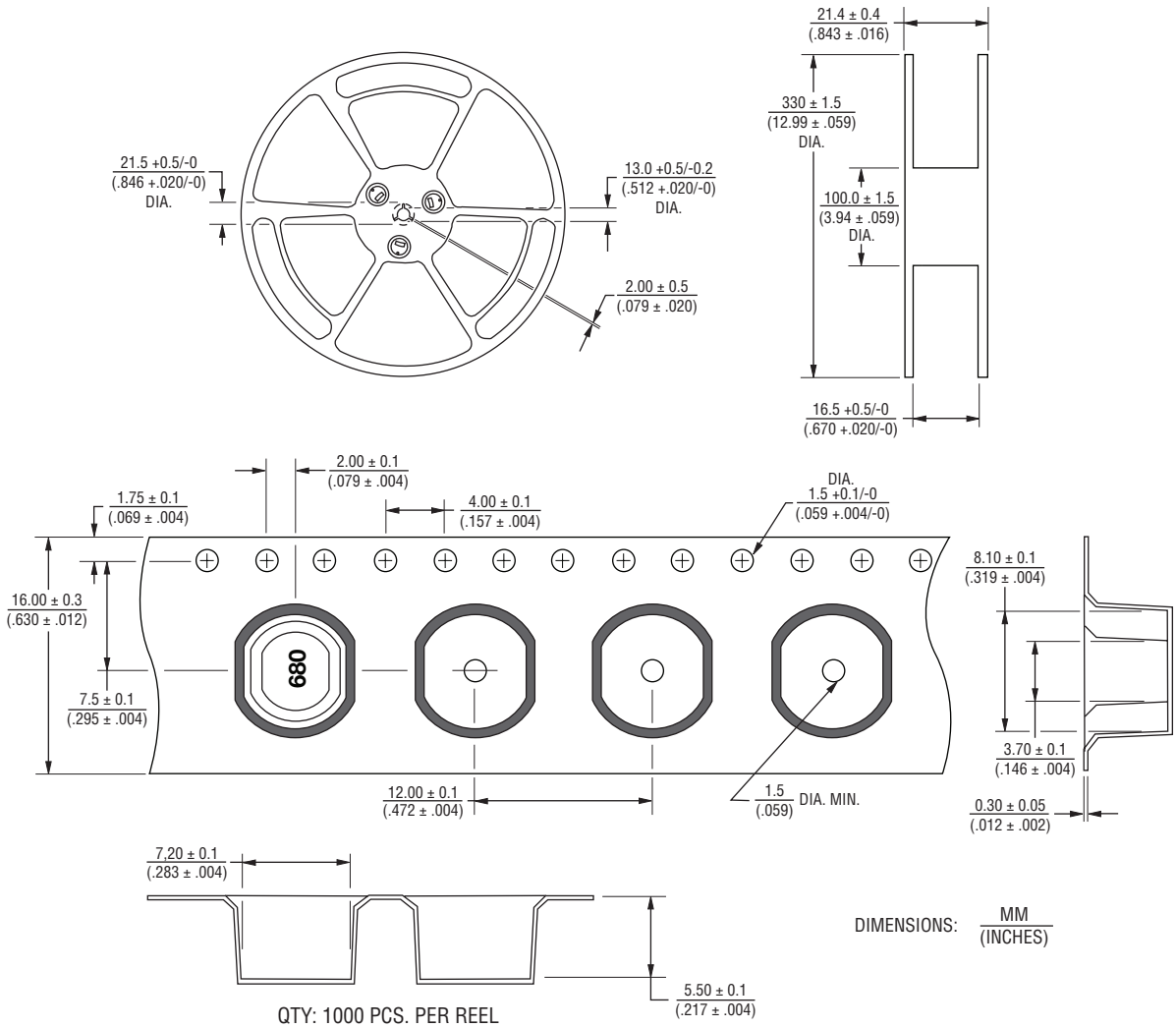
Inductance vs. Current





Packaging Specifications



QTY: 1000 PCS. PER REEL

REV. 08/23

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