

# Shielded, SMT Power Inductors

## Special Features

- High current capacity
- Magnetic shielded for low radiation
- Ferrite bobbin core
- Low core loss for high frequency power applications
- Compact size
- Large terminal surface for good PCB bonding
- Easy access for reflow soldering inspection
- Operating temperature -30 to +100 °C
- Tape & reel packaged 500/reel

## Typical Applications

- Desktop, notebook computers, servers
- Network hubs, bridges, routers
- xDSL, PBX base stations
- PDAs, MP3 players
- Digital TVs, DVDs, cable modems, DSS set-top boxes
- Battery chargers
- High frequency wireless communication devices
- Electronic game devices
- Industrial electronics

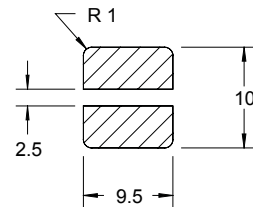
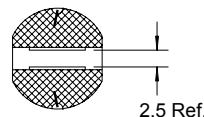
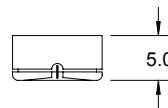
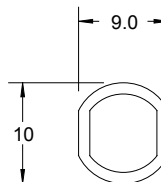
## Notes

- \* Current to cause 10 % of inductance
- \*\* Closest alternative - these models are available on requests as projects only. Please consult a Bourns application engineer for the solution that best suits your needs.

PM105SB Series						
Part Number	L (μH) ±20 %	Test Freq.	SRF (MHz) Typ.	DCR (Ω) Max.	I, DC* (A)	Bourns Equivalent
PM105SB-100M-RC	10	2.52MHz	29	0.06	2.06	
PM105SB-120M-RC	12	2.52MHz	26	0.07	1.94	
PM105SB-150M-RC	15	2.52MHz	24	0.07	1.72	
PM105SB-180M-RC	18	2.52MHz	21	0.08	1.58	
PM105SB-220M-RC	22	2.52MHz	18	0.08	1.42	
PM105SB-270M-RC	27	2.52MHz	17	0.10	1.32	
± 15 %						
PM105SB-330L-RC	33	2.52MHz	14	0.11	1.16	
PM105SB-390L-RC	39	2.52MHz	14	0.12	1.10	
PM105SB-470L-RC	47	2.52MHz	11	0.14	1.00	
PM105SB-560L-RC	56	2.52MHz	11	0.19	0.93	
PM105SB-680L-RC	68	2.52MHz	10	0.21	0.85	SRR0905**
PM105SB-820L-RC	82	2.52MHz	9	0.28	0.79	
± 10 %						
PM105SB-101K-RC	100	1 KHz	8	0.34	0.72	
PM105SB-121K-RC	120	1 KHz	7	0.37	0.63	
PM105SB-151K-RC	150	1 KHz	6	0.51	0.55	
PM105SB-181K-RC	180	1 KHz	5	0.57	0.50	
PM105SB-221K-RC	220	1 KHz	5	0.78	0.47	
PM105SB-271K-RC	270	1 KHz	5	0.87	0.41	
PM105SB-331K-RC	330	1 KHz	4	1.20	0.37	
PM105SB-391K-RC	390	1 KHz	3	1.34	0.35	
PM105SB-471K-RC	470	1 KHz	3	1.50	0.33	

Available only as RoHS compliant beginning July 2007.

When ordering non-RoHS compliant versions before July 2007, do not include the -RC suffix in the part number.



Dimensions: mm  
Tolerance: -/+ 0.5

Pad Layout

**BOURNS®**

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