

Shielded, SMT Power Inductors



Model PM3316S Series is currently available, although not recommended for new designs. Model SRR1005 is preferred.

Special Features

- High current capacity
- Magnetically shielded
- Low DCR
- Ferrite bobbin core
- Compact size
- High heat resistance, ideal for reflow soldering
- High reliability
- Test frequency 100 KHz
- Operating temperature -40 to +85 °C
- Tape & reel packaged 500/reel

Typical Applications

- High reliability, low magnetic coupling and densely packed board design
- Small cell phones
- PDAs
- Pagers
- Flash memory programmers
- Notebook computers
- Battery chargers
- DC/DC converters
- Network cards
- Switching boards
- Industrial electronics
- Entertainment electronic devices

Notes

- * Saturation current to cause 10 % inductance drop
- ** Rms current to cause 15 °C temperature rise

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

PM3316S Series						
Part Number	L (μH) ± 20 %	DCR (Ω)		I _{sat} * (A)	I _{rms} ** (A)	Bourns Equivalent
			Max.			
PM3316S-1R0M-RC	1.0	0.021		5.6	5.0	SRR1005
PM3316S-1R5M-RC	1.5	0.022		5.2	4.5	
PM3316S-2R2M-RC	2.2	0.032		5.0	3.8	
PM3316S-3R3M-RC	3.3	0.039		3.9	3.3	
PM3316S-4R7M-RC	4.7	0.054		3.2	2.7	
PM3316S-6R8M-RC	6.8	0.075		2.8	2.2	
PM3316S-100M-RC	10	0.101		2.4	2.0	
PM3316S-150M-RC	15	0.15		2.0	1.5	
PM3316S-220M-RC	22	0.207		1.6	1.3	
PM3316S-330M-RC	33	0.334		1.4	1.1	
PM3316S-470M-RC	47	0.472		1.0	0.8	

“-RC” suffix indicates RoHS compliance.

