

# SMT Power Inductors



Model PM3316 Series is currently available, although not recommended for new designs. Model SDR1005 is preferred.

### Special Features

- High current capacity
- High reliability
- Low DCR
- Ferrite bobbin core
- Compact size
- High heat resistance, ideal for reflow soldering
- Test frequency 100 KHz
- Operating temperature -55 to +105 °C
- Tape & reel packaged 500/reel

### Notes

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

PM3316 Series						
Part Number	L (μH) ±20 %	DCR (Ω)		I, sat.* (A)	I, rms** (A)	Bourns Equivalent
			Max.			
PM3316-1R0M-RC	1.0	0.009		9.0	6.8	
PM3316-1R5M-RC	1.5	0.010		8.0	6.4	
PM3316-2R2M-RC	2.2	0.012		7.0	6.1	
PM3316-3R3M-RC	3.3	0.015		6.4	5.4	
PM3316-4R7M-RC	4.7	0.018		5.4	4.8	
PM3316-6R8M-RC	6.8	0.027		4.6	4.4	
PM3316-100M-RC	10	0.038		3.8	3.9	
PM3316-150M-RC	15	0.046		3.0	3.1	
PM3316-220M-RC	22	0.085		2.6	2.7	
PM3316-330M-RC	33	0.10		2.0	2.1	SDR1005
PM3316-470M-RC	47	0.14		1.6	1.8	
PM3316-680M-RC	68	0.20		1.4	1.5	
PM3316-101M-RC	100	0.28		1.2	1.3	
PM3316-151M-RC	150	0.40		1.0	1.0	
PM3316-221M-RC	220	0.61		0.8	0.8	
PM3316-331M-RC	330	1.02		0.6	0.6	
PM3316-471M-RC	470	1.27		0.5	0.5	
PM3316-681M-RC	680	2.02		0.4	0.4	
PM3316-102M-RC	1000	3.00		0.3	0.3	

“-RC” suffix indicates RoHS compliance.

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

