† RoHS COMPLIANT

SMT Power Inductors

Model PM105 Series is currently available, although not recommended for new designs. Model SDR1006 is preferred.

Special Features

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

Notes

* Current to cause max. 10 % of inductance drop, or 40 °C temperature rise

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

PM105 Series						
Part Number	L (µH) ±20 %	Test Freq.	SRF (MHz) Typ.	DCR Ω Max.	I, DC* (A)	Bourns Equivalent
PM105-100M-RC	10	2.52 MHz	25	0.06	2.60	
PM105-120M-RC	12	2.52 MHz	23	0.07	2.45	
PM105-150M-RC	15	2.52 MHz	19	0.08	2.27	
PM105-180M-RC	18	2.52 MHz	18	0.09	2.15	
PM105-220M-RC	22	2.52 MHz	15	0.10	1.96	
PM105-270M-RC	27	2.52 MHz	14	0.11	1.76	
PM105-330M-RC	33	2.52 MHz	13	0.12	1.50	
PM105-390M-RC	39	2.52 MHz	12	0.14	1.37	
	±10 %					
PM105-470K-RC	47	2.52 MHz	10	0.17	1.28	
PM105-560K-RC	56	2.52 MHz	10	0.19	1.17	
PM105-680K-RC	68	2.52 MHz	9	0.22	1.11	
PM105-820K-RC	82	2.52 MHz	8	0.25	1.00	SDR1006
PM105-101K-RC	100	1 KHz	7	0.35	0.97	
PM105-121K-RC	120	1 KHz	6	0.40	0.89	
PM105-151K-RC	150	1 KHz	5	0.47	0.78	
PM105-181K-RC	180	1 KHz	5	0.63	0.72	
PM105-221K-RC	220	1 KHz	5	0.73	0.66	
PM105-271K-RC	270	1 KHz	4	0.97	0.57	
PM105-331K-RC	330	1 KHz	4	1.15	0.52	
PM105-391K-RC	390	1 KHz	3	1.30	0.48	
PM105-471K-RC	470	1 KHz	3	1.48	0.42	
PM105-561K-RC	560	1 KHz	3	1.90	0.33	
PM105-681K-RC	680	1 KHz	2	2.25	0.28	
PM105-821K-RC	820	1 KHz	2	2.55	0.24	

"-RC" suffix indicates RoHS compliance.