

SMT Power Inductors



Model PM5022 Series is currently available, although not recommended for new designs. [Model SDR1806](#) is preferred.

Special Features

- Very 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 250/reel

Notes

- * Saturation DC current to cause 10 % max. inductance drop
- ** Rms current to cause 40 °C max. temperature rise

PM5022 Series					
Part Number	L (μH) ±20 %	DCR (Ω) Max.	I _{sat} * (A)	I _{rms} ** (A)	Bourns Equivalent
PM5022-1R0M-RC	1.0	0.011	20	8.6	SDR1806
PM5022-2R2M-RC	2.2	0.014	16	7.1	
PM5022-3R3M-RC	3.3	0.016	14	6.2	
PM5022-5R6M-RC	5.6	0.022	12	5.3	
PM5022-100M-RC	10	0.032	10	4.3	
PM5022-150M-RC	15	0.036	8	4.0	
PM5022-220M-RC	22	0.047	7	3.5	
PM5022-330M-RC	33	0.066	5.5	3.0	
PM5022-470M-RC	47	0.087	4.5	2.6	
PM5022-680M-RC	68	0.13	3.5	2.3	
PM5022-101M-RC	100	0.19	3.0	1.8	
PM5022-151M-RC	150	0.25	2.6	1.5	
PM5022-221M-RC	220	0.38	2.4	1.2	
PM5022-331M-RC	330	0.56	1.9	1.0	
PM5022-471M-RC	470	0.85	1.4	0.82	
PM5022-681M-RC	680	1.2	1.2	0.72	
PM5022-102M-RC	1000	1.8	1.0	0.56	

“-RC” suffix indicates RoHS compliance.

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

