

Shielded, SMT High Current Power Inductors



Model PM7232S Series is currently available, although not recommended for new designs. Model SRP7030 is preferred.

Special Features

- Magnetically shielded for low radiation
- High saturation current
- Low DC resistance
- Low profile
- High temperature application environment
- Operating frequency up to 3 MHz
- Operating temperature: -40 to +150 °C
- Tape and reel packaging

Typical Applications

- Ideal for very high current DC/DC converter output inductors
- High-density, tight-board space designs
- High-speed notebook computers
- Video game machines
- Low-profile/high-current power supplies

Notes

- * Rated DC current to cause 40 °C temperature rise
- ** Max. DC current to cause 100 °C temperature rise
- Test frequency: 100 KHz

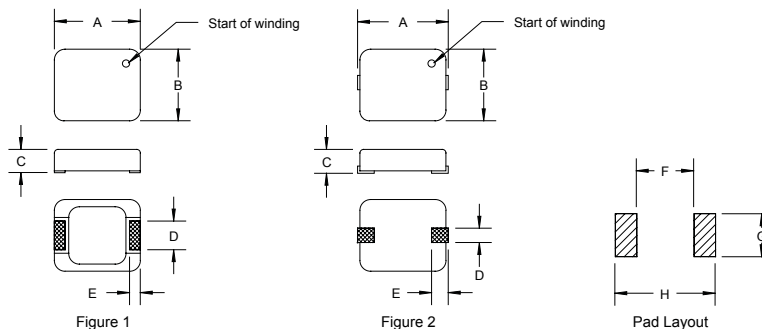
† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

PM7232S / PM1038S / PM12639S / PM12645S / PM12651S / PM13560S / PM13656S / PM13666S Series							Bourns Equivalent
Part Number	L (μH) ±20 %	DCR (Ω) Max.	I _{rated} (A)*	L (μH) ±20 % @ I _{rated}	I _{max} (A)**	L (μH) ±20 % @ I _{max}	
PM7232S-R10M-RC	0.10	0.0011	22	0.09	32	0.08	SRP7030
PM7232S-R22M-RC	0.22	0.0017	17	0.20	28	0.19	
PM7232S-R47M-RC	0.47	0.0030	15	0.37	25	0.30	
PM7232S-R72M-RC	0.72	0.0080	12.5	0.60	22	0.44	
PM7232S-1R0M-RC	1.0	0.0084	10	0.85	15	0.72	
PM7232S-1R5M-RC	1.5	0.0095	9.0	1.1	14	1.0	SRP1235
PM1038S-R15M-RC	0.15	0.00073	30	0.13	51	0.1	
PM1038S-R39M-RC	0.39	0.00145	24	0.33	40	0.28	
PM1038S-R50M-RC	0.50	0.00148	23	0.41	37	0.34	
PM1038S-R75M-RC	0.75	0.0035	20	0.63	25	0.58	
PM1038S-1R2M-RC	1.2	0.0047	17	1.02	24.5	0.91	SRP1250
PM1038S-1R7M-RC	1.7	0.0079	15	1.42	22.5	1.17	
PM1038S-2R5M-RC	2.5	0.0087	11.5	2.08	16.5	1.85	
PM12639S-R67M-RC	0.67	0.0014	23	0.54	35	0.5	
PM12639S-1R2M-RC	1.2	0.0028	18.5	1.01	23.5	0.93	
PM12645S-1R2M-RC	1.2	0.0018	21	1.0	35	0.81	SRP1250
PM12645S-1R8M-RC	1.8	0.0035	16	1.5	26	1.30	
PM12645S-2R7M-RC	2.7	0.0044	15	2.14	24	1.81	
PM12651S-R50M-RC	0.5	0.0011	24	0.42	32	0.37	
PM12651S-4R7M-RC	4.7	0.0072	12	3.64	17	3.3	
PM12651S-9R0M-RC	9.0	0.0149	7.5	7.65	13	6.5	SRP1250
PM13560S-6R0M-RC	6.0	0.0107	9.5	5.0	16	4.2	
PM13560S-100M-RC	10	0.0149	7.5	8.0	12	7.0	
PM13656S-R22M-RC	0.22	0.00054	34	0.2	80	0.16	
PM13656S-R50M-RC	0.5	0.00088	40	0.43	60	0.35	
PM13666S-1R0M-RC	1.0	0.0012	25	0.8	38	0.7	

“-RC” suffix indicates RoHS compliance.

Dimensions (mm), Tolerance: ±0.4 mm

Series Number	A	B	C	D	E	F (Ref)	G (Ref)	H (Ref)	Fig.	Reel Size
PM7232S	7.2	6.6	3.2	3.5	1.3	3.0	4.0	7.5	1	1500
PM1038S	10.5	10.0	3.8	2.0	2.4	4.5	5.0	11.5	2	800
PM12639S	12.6	12.6	3.9	5.8	2.4	6.0	6.5	13.0	1	800
PM12645S	12.6	12.6	4.5	5.8	2.4	6.0	6.5	13.0	1	800
PM12651S	12.6	12.6	5.1	5.8	2.4	6.0	6.5	13.0	1	800
PM13560S	13.0	12.6	5.6	5.8	2.4	6.4	6.5	13.4	1	500
PM13656S	13.6	12.6	5.6	2.4	3.5	5.3	5.0	14.7	2	500
PM13666S	13.6	12.6	6.6	2.4	3.5	5.3	5.0	14.7	2	500



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