

Shielded, SMT High Current Power Inductors

PM7232S / PM1038S / PM12639S / PM12645S / PM12651S / PM13560S / PM13656S / PM13666S Series

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	0.10	0.0009	22	0.09	32	0.08
PM7232S-R22M	0.22	0.0014	17	0.20	28	0.19
PM7232S-R47M	0.47	0.0030	15	0.37	25	0.30
PM7232S-R72M	0.72	0.0080	12.5	0.60	22	0.44
PM7232S-1R0M	1.0	0.0084	10	0.85	15	0.72
PM7232S-1R5M	1.5	0.0095	9.0	1.1	14	1.0
PM1038S-R15M	0.15	0.00073	30	0.13	51	0.1
PM1038S-R39M	0.39	0.0015	24	0.33	40	0.28
PM1038S-R75M	0.75	0.0035	20	0.63	25	0.58
PM1038S-1R2M	1.2	0.0047	17	1.02	24.5	0.91
PM1038S-1R7M	1.7	0.0079	15	1.42	22.5	1.17
PM1038S-2R5M	2.5	0.011	11.5	2.08	16.5	1.85
PM12639S-R67M	0.67	0.0014	23	0.54	35	0.5
PM12639S-1R2M	1.2	0.0028	18.5	1.01	23.5	0.93
PM12645S-1R2M	1.2	0.0018	21	1.0	35	0.81
PM12645S-1R8M	1.8	0.0035	16	1.5	26	1.30
PM12645S-2R7M	2.7	0.0044	15	2.14	24	1.81
PM12651S-R50M	0.5	0.0011	24	0.42	32	0.37
PM12651S-4R7M	4.7	0.0072	12	3.64	17	3.3
PM12651S-9R0M	9.0	0.0149	7.5	7.65	13	6.5
PM13560S-6R0M	6.0	0.0107	9.5	5.0	16	4.2
PM13560S-100M	10	0.0149	7.5	8.0	12	7.0
PM13656S-R22M	0.22	0.00054	34	0.2	80	0.16
PM13656S-R50M	0.5	0.00088	40	0.43	60	0.35
PM13666S-1R0M	1.0	0.0144	25	0.8	38	0.7

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

** Maximum DC current to cause 100°C temperature rise

Test frequency: 100KHz

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

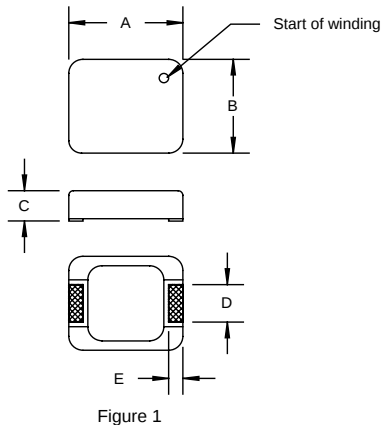


Figure 1

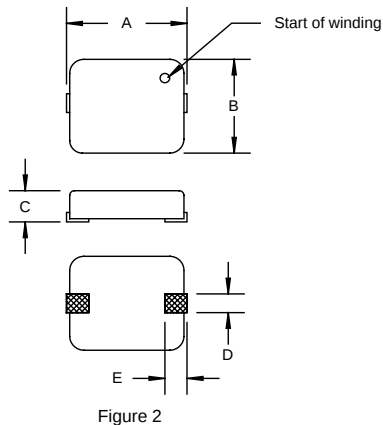
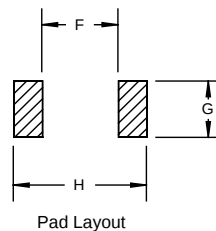


Figure 2



Pad Layout

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M A G N E T I C S

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