

Shielded, SMT High Current Power Chokes

Special Features

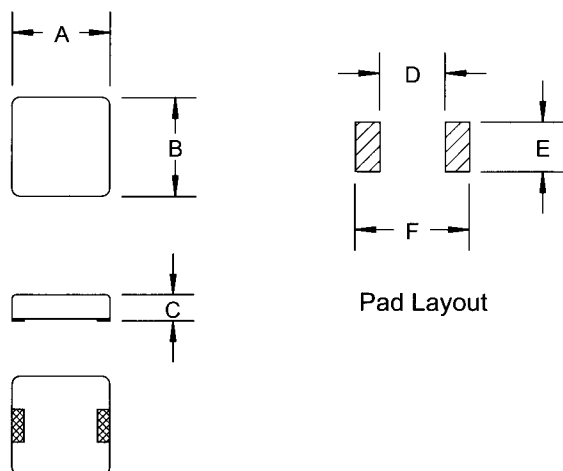
- Magnetically shielded for low radiation
- High saturation current
- Low DC resistance
- Low profile
- High temperature application environment
- Operating temperature -40 to +150°C
- Rated DC current to cause 50°C temperature rise
- Maximum DC current to cause 100°C temperature rise
- Test frequency 100KHz
- Tape and reel packaging

Typical Applications

- Ideal for very high current DC/DC converter output chokes
- High current DC/DC converter used with low voltage microprocessor controllers
- High-density, tight-board space designs
- High-speed notebook computers
- Video game machines
- Low-profile/high-current power supplies

| PM12639S/PM12645S/PM7232S | | | | | | |
|---------------------------|-----------------|--------------------|-----------------|-----------------|----------------|-----------------|
| Part Number | L (uH) ± 20% | DCR (Ω) Max. | I, Rated (A) | L (uH) ± 20% | I, Max. (A) | L (uH) ± 20% |
| | | | | @ I, Rated | | @ I, Max. |
| PM12639S-R67M | 0.67 | 0.0015 | 22 | 0.58 | 30 | 0.54 |
| PM12639S-1R2M | 1.2 | 0.0029 | 16 | 1.05 | 22 | 0.98 |
| PM12645S-1R2M | 1.2 | 0.0020 | 20 | 1.0 | 27 | 0.92 |
| PM12645S-1R8M | 1.8 | 0.0035 | 13 | 1.55 | 20 | 1.42 |
| PM12645S-2R7M | 2.7 | 0.0043 | 12 | 2.3 | 18 | 2.15 |
| PM7232S-R11M | 0.11 | 0.0017 | 13 | 0.10 | 20 | 0.09 |
| PM7232S-R25M | 0.25 | 0.0021 | 11 | 0.22 | 16 | 0.20 |

| Dimensions (mm), Tolerance: ± 0.3 mm | | | | | | | |
|--------------------------------------|--------|--------|--------|--------|--------|--------|-----------|
| Series Number | Dim. A | Dim. B | Dim. C | Dim. D | Dim. E | Dim. F | Reel Size |
| PM12639S | 12.6 | 12.6 | 3.9 | 5.0 | 6.5 | 13.0 | 800 |
| PM12645S | 12.6 | 12.6 | 4.5 | 5.0 | 6.5 | 13.0 | 800 |
| PM7232S | 7.2 | 6.6 | 3.2 | 2.5 | 4.0 | 7.5 | 1500 |



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