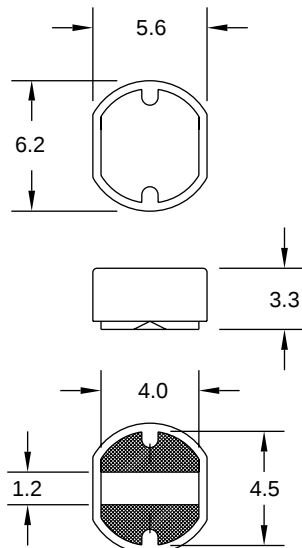


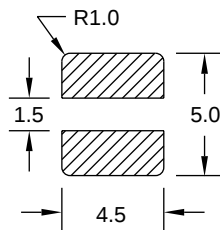
# Shielded, SMT Power Inductors

## Special Features

- Magnetic shielded for low radiation
- Ferrite bobbin core
- Low core loss for high frequency power application
- Compact size
- Large terminal surface for good PCB bonding
- Operating temperature -30 to +100°C
- Current to cause maximum 10% of inductance drop, or 40°C temperature rise
- Tape & reel packaged 1500 / reel



Tol: +/-0.3  
Dim: mm



Pad Layout

| PM63S Series |                |            |                   |                 |           |
|--------------|----------------|------------|-------------------|-----------------|-----------|
| Part Number  | L (uH)<br>±20% | Test Freq. | SRF (MHz)<br>Typ. | DCR (Ω)<br>Max. | I, DC (A) |
| PM63S-100M   | 10             | 2.52 MHz   | 38                | 0.13            | 0.80      |
| PM63S-120M   | 12             | 2.52 MHz   | 32                | 0.14            | 0.74      |
| PM63S-150M   | 15             | 2.52 MHz   | 29                | 0.15            | 0.70      |
| PM63S-180M   | 18             | 2.52 MHz   | 27                | 0.18            | 0.64      |
| PM63S-220M   | 22             | 2.52 MHz   | 24                | 0.25            | 0.62      |
| PM63S-270M   | 27             | 2.52 MHz   | 19                | 0.34            | 0.57      |
| ±15%         |                |            |                   |                 |           |
| PM63S-330L   | 33             | 2.52 MHz   | 17                | 0.37            | 0.52      |
| PM63S-390L   | 39             | 2.52 MHz   | 17                | 0.39            | 0.45      |
| PM63S-470L   | 47             | 2.52 MHz   | 16                | 0.43            | 0.40      |
| PM63S-560L   | 56             | 2.52 MHz   | 14                | 0.50            | 0.37      |
| PM63S-680L   | 68             | 2.52 MHz   | 13                | 0.53            | 0.35      |
| PM63S-820L   | 82             | 2.52 MHz   | 12                | 0.75            | 0.32      |
| ±10%         |                |            |                   |                 |           |
| PM63S-101K   | 100            | 1 KHz      | 11                | 0.85            | 0.30      |

**J.W. Miller**  
M A G N E T I C S

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