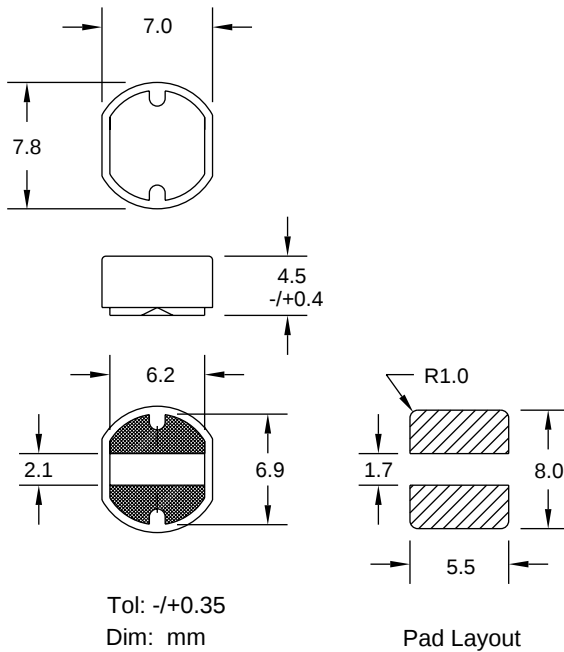


# Shielded, SMT Power Inductors

## 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 1000/reel



| PM74S Series |                      |            |                   |                 |           |
|--------------|----------------------|------------|-------------------|-----------------|-----------|
| Part Number  | L (uH)<br>+25 / -15% | Test Freq. | SRF (MHz)<br>Typ. | DCR (Ω)<br>Max. | I, DC (A) |
| PM74S-100N   | 10                   | 2.52 MHz   | 26                | 0.07            | 1.65      |
| PM74S-120N   | 12                   | 2.52 MHz   | 25                | 0.07            | 1.57      |
| PM74S-150N   | 15                   | 2.52 MHz   | 20                | 0.08            | 1.39      |
| PM74S-180N   | 18                   | 2.52 MHz   | 19                | 0.10            | 1.29      |
| PM74S-220N   | 22                   | 2.52 MHz   | 18                | 0.13            | 1.12      |
| PM74S-270N   | 27                   | 2.52 MHz   | 16                | 0.16            | 1.06      |
| PM74S-330N   | 33                   | 2.52 MHz   | 15                | 0.18            | 0.97      |
| PM74S-390N   | 39                   | 2.52 MHz   | 14                | 0.18            | 0.91      |
| PM74S-470N   | 47                   | 2.52 MHz   | 12                | 0.27            | 0.80      |
| PM74S-560N   | 56                   | 2.52 MHz   | 12                | 0.29            | 0.76      |
| PM74S-680N   | 68                   | 2.52 MHz   | 10                | 0.33            | 0.68      |
| PM74S-820N   | 82                   | 2.52 MHz   | 9                 | 0.43            | 0.62      |
| +20 / -15%   |                      |            |                   |                 |           |
| PM74S-101M   | 100                  | 1 KHz      | 8                 | 0.49            | 0.55      |
| PM74S-121M   | 120                  | 1 KHz      | 7                 | 0.68            | 0.49      |
| PM74S-151M   | 150                  | 1 KHz      | 6                 | 0.94            | 0.44      |
| PM74S-181M   | 180                  | 1 KHz      | 6                 | 1.00            | 0.40      |
| PM74S-221M   | 220                  | 1 KHz      | 5                 | 1.18            | 0.36      |
| PM74S-271M   | 270                  | 1 KHz      | 5                 | 1.30            | 0.33      |