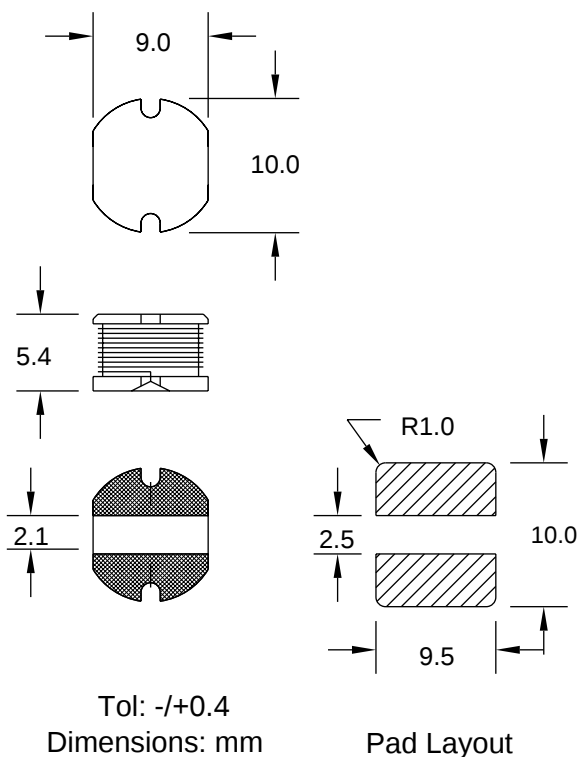


# SMT Power Inductors

## Special Features

- High current capacity
- 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 500 /reel



| PM105 Series |                      |            |                   |                          |           |
|--------------|----------------------|------------|-------------------|--------------------------|-----------|
| Part Number  | L (uH)<br>$\pm 20\%$ | Test Freq. | SRF (MHz)<br>Typ. | DCR ( $\Omega$ )<br>Max. | I, DC (A) |
| PM105-100M   | 10                   | 2.52 MHz   | 25                | 0.06                     | 2.60      |
| PM105-120M   | 12                   | 2.52 MHz   | 23                | 0.07                     | 2.45      |
| PM105-150M   | 15                   | 2.52 MHz   | 19                | 0.08                     | 2.27      |
| PM105-180M   | 18                   | 2.52 MHz   | 18                | 0.09                     | 2.15      |
| PM105-220M   | 22                   | 2.52 MHz   | 15                | 0.10                     | 1.96      |
| PM105-270M   | 27                   | 2.52 MHz   | 14                | 0.11                     | 1.76      |
| PM105-330M   | 33                   | 2.52 MHz   | 13                | 0.12                     | 1.50      |
| PM105-390M   | 39                   | 2.52 MHz   | 12                | 0.14                     | 1.37      |
| $\pm 10\%$   |                      |            |                   |                          |           |
| PM105-470K   | 47                   | 2.52 MHz   | 10                | 0.17                     | 1.28      |
| PM105-560K   | 56                   | 2.52 MHz   | 10                | 0.19                     | 1.17      |
| PM105-680K   | 68                   | 2.52 MHz   | 9                 | 0.22                     | 1.11      |
| PM105-820K   | 82                   | 2.52 MHz   | 8                 | 0.25                     | 1.00      |
| PM105-101K   | 100                  | 1 KHz      | 7                 | 0.35                     | 0.97      |
| PM105-121K   | 120                  | 1 KHz      | 6                 | 0.40                     | 0.89      |
| PM105-151K   | 150                  | 1 KHz      | 5                 | 0.47                     | 0.78      |
| PM105-181K   | 180                  | 1 KHz      | 5                 | 0.63                     | 0.72      |
| PM105-221K   | 220                  | 1 KHz      | 5                 | 0.73                     | 0.66      |
| PM105-271K   | 270                  | 1 KHz      | 4                 | 0.97                     | 0.57      |
| PM105-331K   | 330                  | 1 KHz      | 4                 | 1.15                     | 0.52      |
| PM105-391K   | 390                  | 1 KHz      | 3                 | 1.30                     | 0.48      |
| PM105-471K   | 470                  | 1 KHz      | 3                 | 1.48                     | 0.42      |
| PM105-561K   | 560                  | 1 KHz      | 3                 | 1.90                     | 0.33      |
| PM105-681K   | 680                  | 1 KHz      | 2                 | 2.25                     | 0.28      |
| PM105-821K   | 820                  | 1 KHz      | 2                 | 2.55                     | 0.24      |

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