

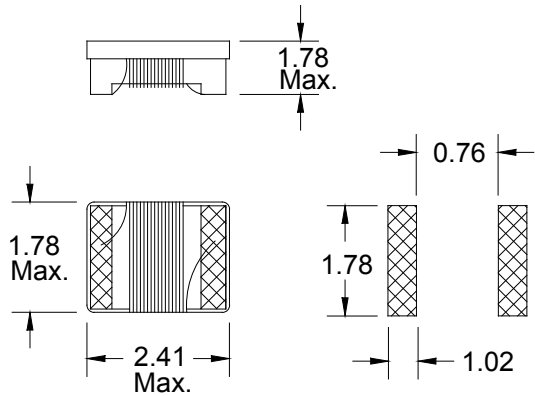
# Chip Inductors

## Special Features

- Ceramic core, wire wound for superior reliability
- High self resonant frequency
- Very stable electrical characteristic
- Flat top surface for automated pick & place
- Operation temperature -55 - +125°C
- Tape & reel packaged 2000/reel

## Notes

\* Current to cause approx. 15°C of temperature rise



Dimensions: mm

Pad Layout

| PM0805 Series |                |                       |          |                       |                      |                    |             |
|---------------|----------------|-----------------------|----------|-----------------------|----------------------|--------------------|-------------|
| Part Number   | L (nH)<br>±20% | L Test Freq.<br>(MHz) | Q<br>Min | Q Test Freq.<br>(MHz) | SRF<br>(Mhz)<br>Min. | DCR<br>(Ω)<br>Max. | I *<br>(mA) |
| PM0805-2N2M   | 2.2            | 250                   | 15       | 1500                  | 6000                 | 0.08               | 600         |
| PM0805-3N3M   | 3.3            | 250                   | 50       | 1500                  | 6000                 | 0.08               | 600         |
| PM0805-6N8M   | 6.8            | 250                   | 50       | 1000                  | 5500                 | 0.11               | 600         |
| PM0805-8N2M   | 8.2            | 250                   | 50       | 500                   | 4700                 | 0.12               | 600         |
| PM0805-12NM   | 12             | 250                   | 50       | 500                   | 4000                 | 0.15               | 600         |
| PM0805-15NM   | 15             | 250                   | 50       | 500                   | 3400                 | 0.17               | 600         |
| PM0805-18NM   | 18             | 250                   | 50       | 500                   | 3300                 | 0.20               | 600         |
| PM0805-22NM   | 22             | 250                   | 55       | 500                   | 2600                 | 0.22               | 500         |
| PM0805-27NM   | 27             | 250                   | 55       | 500                   | 2500                 | 0.25               | 500         |
| PM0805-33NM   | 33             | 250                   | 60       | 500                   | 2050                 | 0.27               | 500         |
| PM0805-39NM   | 39             | 250                   | 60       | 500                   | 2000                 | 0.29               | 500         |
| PM0805-47NM   | 47             | 200                   | 60       | 500                   | 1650                 | 0.31               | 500         |
| ±10%          |                |                       |          |                       |                      |                    |             |
| PM0805-56NK   | 56             | 200                   | 60       | 500                   | 1550                 | 0.34               | 500         |
| PM0805-68NK   | 68             | 200                   | 60       | 500                   | 1450                 | 0.38               | 500         |
| PM0805-82NK   | 82             | 150                   | 65       | 500                   | 1300                 | 0.42               | 400         |
| L(μH)<br>±10% |                |                       |          |                       |                      |                    |             |
| PM0805-R10K   | 0.10           | 150                   | 65       | 500                   | 1200                 | 0.46               | 400         |
| PM0805-R12K   | 0.12           | 150                   | 50       | 250                   | 1100                 | 0.51               | 400         |
| PM0805-R15K   | 0.15           | 100                   | 50       | 250                   | 920                  | 0.56               | 400         |
| PM0805-R18K   | 0.18           | 100                   | 50       | 250                   | 870                  | 0.64               | 400         |
| PM0805-R22K   | 0.22           | 100                   | 50       | 250                   | 850                  | 0.70               | 400         |
| PM0805-R27K   | 0.27           | 100                   | 40       | 100                   | 800                  | 1.1                | 280         |
| PM0805-R33K   | 0.33           | 100                   | 40       | 100                   | 750                  | 1.2                | 260         |
| PM0805-R39K   | 0.39           | 100                   | 40       | 100                   | 700                  | 1.5                | 200         |
| PM0805-R47K   | 0.47           | 100                   | 40       | 100                   | 650                  | 2.5                | 170         |
| PM0805-R56K   | 0.56           | 50                    | 40       | 50                    | 600                  | 3.5                | 170         |

Also available as RoHS compliant.

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