

Chip Inductors



Model PM1008 Series is currently available, although not recommended for new designs. **Model CW252016** is preferred.

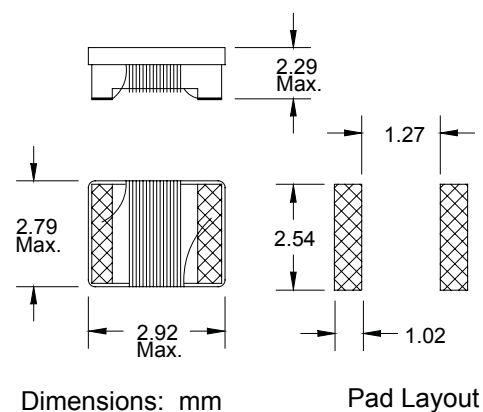
Special Features

- Ceramic core
- Wirewound for superior reliability
- High self-resonant frequency
- Very stable electrical characteristic on ceramic core
- Flat top surface for automated pick & place
- Operating temperature -55 to +125 °C
- Tape & reel packaged 2000/reel

Notes

- * Current to cause 15 °C max. temperature rise

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.



| PM1008 Series | | | | | | | |
|----------------|-----------------|-----------------------|-----------|-----------------------|----------------------|-----------------|----------------|
| Part Number | L (nH) ±20 % | L Test Freq. (MHz) | Q Min. | Q Test Freq. (MHz) | SRF (MHz) Min. | DCR (Ω) Max. | I, DC* (mA) |
| PM1008-10NM-RC | 10 | 50 | 50 | 500 | 4100 | 0.08 | 1000 |
| PM1008-12NM-RC | 12 | 50 | 50 | 500 | 3300 | 0.09 | 1000 |
| PM1008-15NM-RC | 15 | 50 | 50 | 500 | 2500 | 0.10 | 1000 |
| PM1008-18NM-RC | 18 | 50 | 50 | 350 | 2500 | 0.11 | 1000 |
| PM1008-22NM-RC | 22 | 50 | 55 | 350 | 2400 | 0.12 | 1000 |
| PM1008-27NM-RC | 27 | 50 | 55 | 350 | 1600 | 0.13 | 1000 |
| PM1008-33NM-RC | 33 | 50 | 60 | 350 | 1600 | 0.14 | 1000 |
| PM1008-39NM-RC | 39 | 50 | 60 | 350 | 1500 | 0.15 | 1000 |
| PM1008-47NM-RC | 47 | 50 | 65 | 350 | 1500 | 0.16 | 1000 |
| ±10 % | | | | | | | |
| PM1008-56NK-RC | 56 | 50 | 65 | 350 | 1300 | 0.18 | 1000 |
| PM1008-68NK-RC | 68 | 50 | 65 | 350 | 1300 | 0.20 | 1000 |
| PM1008-82NK-RC | 82 | 50 | 60 | 350 | 1000 | 0.22 | 1000 |
| (μH) | | | | | | | |
| ±10 % | | | | | | | |
| PM1008-R10K-RC | 0.10 | 25 | 60 | 350 | 1000 | 0.56 | 650 |
| PM1008-R12K-RC | 0.12 | 25 | 60 | 350 | 950 | 0.68 | 650 |
| PM1008-R15K-RC | 0.15 | 25 | 45 | 100 | 850 | 0.70 | 580 |
| PM1008-R18K-RC | 0.18 | 25 | 45 | 100 | 750 | 0.77 | 620 |
| PM1008-R22K-RC | 0.22 | 25 | 45 | 100 | 700 | 0.84 | 500 |
| PM1008-R27K-RC | 0.27 | 25 | 45 | 100 | 600 | 0.91 | 500 |
| PM1008-R33K-RC | 0.33 | 25 | 45 | 100 | 570 | 1.05 | 450 |
| PM1008-R39K-RC | 0.39 | 25 | 45 | 100 | 500 | 1.12 | 470 |
| PM1008-R47K-RC | 0.47 | 25 | 45 | 100 | 450 | 1.19 | 470 |
| PM1008-R56K-RC | 0.56 | 25 | 45 | 100 | 415 | 1.33 | 400 |
| PM1008-R68K-RC | 0.68 | 25 | 45 | 100 | 375 | 1.47 | 400 |
| PM1008-R82K-RC | 0.82 | 25 | 45 | 100 | 350 | 1.61 | 400 |
| PM1008-1R0K-RC | 1.0 | 25 | 35 | 50 | 290 | 1.75 | 370 |
| PM1008-1R2K-RC | 1.2 | 7.9 | 35 | 50 | 250 | 2.00 | 340 |
| PM1008-1R5K-RC | 1.5 | 7.9 | 28 | 50 | 200 | 2.30 | 330 |
| PM1008-1R8K-RC | 1.8 | 7.9 | 28 | 50 | 160 | 2.60 | 300 |
| PM1008-2R2K-RC | 2.2 | 7.9 | 28 | 50 | 160 | 2.80 | 290 |
| PM1008-2R7K-RC | 2.7 | 7.9 | 22 | 25 | 140 | 3.20 | 290 |
| PM1008-3R3K-RC | 3.3 | 7.9 | 22 | 25 | 110 | 3.40 | 290 |
| PM1008-3R9K-RC | 3.9 | 7.9 | 20 | 25 | 100 | 3.60 | 260 |
| PM1008-4R7K-RC | 4.7 | 7.9 | 20 | 25 | 90 | 4.00 | 260 |
| PM1008-5R6K-RC | 5.6 | 7.9 | 20 | 25 | 55 | 7.00 | 200 |
| PM1008-6R8K-RC | 6.8 | 7.9 | 20 | 25 | 45 | 8.00 | 180 |
| PM1008-8R2K-RC | 8.2 | 7.9 | 20 | 25 | 35 | 9.50 | 150 |
| PM1008-100K-RC | 10 | 7.9 | 20 | 25 | 25 | 12.0 | 100 |

CW252016

“-RC” suffix indicates RoHS compliance.

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