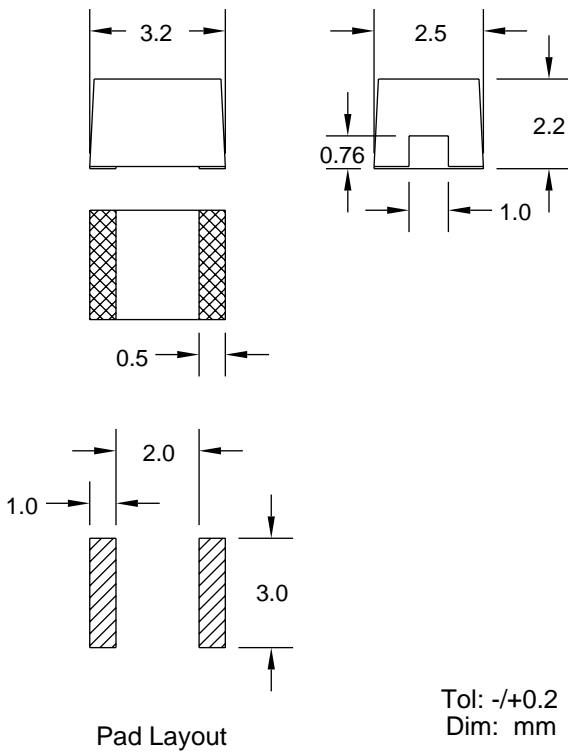


1210 Shielded Chip Inductors

Special Features

- High Q
- Magnetic shielded for low radiation
- Molded construction for high reliability
- Superior environmental protection
- Large terminal surface for strong PCB bonding
- Standard EIA 1210 chip size
- Operating temperature -55 to +125°C
- Current to cause 20°C maximum temperature rise
- Tape & reel packaged 2000/reel



Tol: ± 0.2
Dim: mm

| PM20S Series | | | | | | |
|--------------|----------------------|-----------|---------------------|----------------------|-----------------------------|---------------|
| Part Number | L (uH) $\pm 20\%$ | Q Min. | Test Freq. (MHz) | SRF (MHz) Min. | DCR (Ω) Max. | I, DC (mA) |
| PM20S-R010M | 0.010 | 50 | 50 | 1000 | 0.10 | 810 |
| PM20S-R012M | 0.012 | 50 | 50 | 1000 | 0.11 | 750 |
| PM20S-R015M | 0.015 | 50 | 50 | 1000 | 0.12 | 720 |
| PM20S-R018M | 0.018 | 50 | 50 | 1000 | 0.13 | 690 |
| PM20S-R022M | 0.022 | 45 | 50 | 1000 | 0.15 | 640 |
| PM20S-R027M | 0.027 | 45 | 50 | 1000 | 0.17 | 610 |
| PM20S-R033M | 0.033 | 45 | 50 | 1000 | 0.18 | 585 |
| PM20S-R039M | 0.039 | 40 | 50 | 1000 | 0.24 | 530 |
| PM20S-R047M | 0.047 | 40 | 50 | 1000 | 0.26 | 495 |
| PM20S-R056M | 0.056 | 40 | 50 | 1000 | 0.28 | 485 |
| PM20S-R068M | 0.068 | 40 | 50 | 1000 | 0.35 | 475 |
| PM20S-R082M | 0.082 | 38 | 50 | 900 | 0.45 | 460 |
| PM20S-R10M | 0.10 | 36 | 50 | 700 | 0.50 | 450 |
| PM20S-R12M | 0.12 | 40 | 25.2 | 500 | 0.20 | 630 |
| PM20S-R15M | 0.15 | 40 | 25.2 | 470 | 0.20 | 600 |
| PM20S-R18M | 0.18 | 40 | 25.2 | 400 | 0.24 | 580 |
| PM20S-R22M | 0.22 | 40 | 25.2 | 330 | 0.30 | 565 |
| PM20S-R27M | 0.27 | 40 | 25.2 | 310 | 0.33 | 500 |
| PM20S-R33M | 0.33 | 40 | 25.2 | 280 | 0.36 | 475 |
| PM20S-R39M | 0.39 | 40 | 25.2 | 230 | 0.40 | 465 |
| PM20S-R47M | 0.47 | 40 | 25.2 | 220 | 0.44 | 460 |
| PM20S-R56M | 0.56 | 40 | 25.2 | 200 | 0.45 | 455 |
| PM20S-R68M | 0.68 | 40 | 25.2 | 180 | 0.48 | 450 |
| PM20S-R82M | 0.82 | 40 | 25.2 | 160 | 0.50 | 450 |
| $\pm 10\%$ | | | | | | |
| PM20S-1R0K | 1.0 | 30 | 7.96 | 120 | 0.60 | 400 |
| PM20S-1R2K | 1.2 | 30 | 7.96 | 110 | 0.65 | 390 |
| PM20S-1R5K | 1.5 | 30 | 7.96 | 90 | 0.75 | 370 |
| PM20S-1R8K | 1.8 | 30 | 7.96 | 85 | 0.85 | 350 |
| PM20S-2R2K | 2.2 | 30 | 7.96 | 65 | 0.90 | 320 |
| PM20S-2R7K | 2.7 | 30 | 7.96 | 60 | 1.00 | 290 |
| PM20S-3R3K | 3.3 | 30 | 7.96 | 60 | 1.10 | 270 |
| PM20S-3R9K | 3.9 | 30 | 7.96 | 58 | 1.20 | 250 |
| PM20S-4R7K | 4.7 | 30 | 7.96 | 52 | 1.25 | 220 |
| PM20S-5R6K | 5.6 | 30 | 7.96 | 50 | 1.40 | 200 |
| PM20S-6R8K | 6.8 | 30 | 7.96 | 40 | 1.60 | 205 |
| PM20S-8R2K | 8.2 | 30 | 7.96 | 35 | 1.65 | 195 |
| PM20S-100K | 10 | 30 | 2.52 | 30 | 2.0 | 185 |
| PM20S-120K | 12 | 30 | 2.52 | 24 | 2.3 | 175 |
| PM20S-150K | 15 | 30 | 2.52 | 20 | 2.5 | 165 |
| PM20S-180K | 18 | 30 | 2.52 | 17 | 2.7 | 155 |
| PM20S-220K | 22 | 30 | 2.52 | 16 | 3.1 | 150 |
| PM20S-270K | 27 | 30 | 2.52 | 14 | 3.3 | 125 |
| PM20S-330K | 33 | 30 | 2.52 | 14 | 5.1 | 115 |
| PM20S-390K | 39 | 30 | 2.52 | 14 | 5.9 | 105 |
| PM20S-470K | 47 | 30 | 2.52 | 13 | 8.0 | 100 |
| PM20S-560K | 56 | 30 | 2.52 | 11 | 10 | 95 |
| PM20S-680K | 68 | 30 | 2.52 | 11 | 10 | 90 |
| PM20S-820K | 82 | 30 | 2.52 | 11 | 11 | 85 |
| PM20S-101K | 100 | 30 | 0.796 | 8 | 12 | 85 |

J.W. Miller
MAGNETICS

306 E. Alondra Blvd., Gardena, CA 90247-1059 • (310) 515-1720 • FAX (310) 515-1962

www.jwmiller.com