

# Shielded Chip Inductors



Model PM20S Series is obsolete.  
Model CMH322522 is preferred.

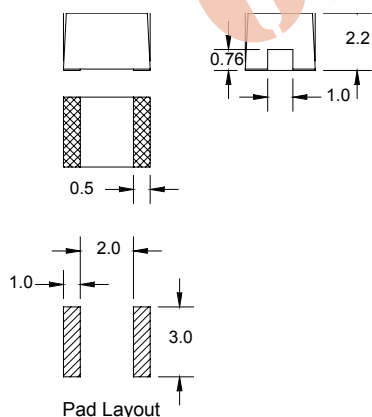
## Special Features

- 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
- Tape & reel packaged 2000/reel

## Notes

- \* Current to cause 20 °C max. temperature rise

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



Dimensions: mm  
Tolerance: +/-0.2

## PM20S Series

| Part Number    | L (μH)<br>±20 % | Q<br>Min. | Test Freq.<br>(MHz) | SRF<br>(MHz)<br>Min. | DCR<br>(Ω)<br>Max. | I, DC*<br>(mA) | Bourns<br>Equivalent |
|----------------|-----------------|-----------|---------------------|----------------------|--------------------|----------------|----------------------|
| PM20S-R010M-RC | 0.010           | 50        | 50                  | 1000                 | 0.10               | 810            |                      |
| PM20S-R012M-RC | 0.012           | 50        | 50                  | 1000                 | 0.11               | 750            |                      |
| PM20S-R015M-RC | 0.015           | 50        | 50                  | 1000                 | 0.12               | 720            |                      |
| PM20S-R018M-RC | 0.018           | 50        | 50                  | 1000                 | 0.13               | 690            |                      |
| PM20S-R022M-RC | 0.022           | 45        | 50                  | 1000                 | 0.15               | 640            |                      |
| PM20S-R027M-RC | 0.027           | 45        | 50                  | 1000                 | 0.17               | 610            |                      |
| PM20S-R033M-RC | 0.033           | 45        | 50                  | 1000                 | 0.18               | 585            |                      |
| PM20S-R039M-RC | 0.039           | 40        | 50                  | 1000                 | 0.24               | 530            |                      |
| PM20S-R047M-RC | 0.047           | 40        | 50                  | 1000                 | 0.26               | 495            |                      |
| PM20S-R056M-RC | 0.056           | 40        | 50                  | 1000                 | 0.28               | 485            |                      |
| PM20S-R068M-RC | 0.068           | 40        | 50                  | 1000                 | 0.35               | 475            |                      |
| PM20S-R082M-RC | 0.082           | 38        | 50                  | 900                  | 0.45               | 460            |                      |
| PM20S-R10M-RC  | 0.10            | 36        | 50                  | 700                  | 0.50               | 450            |                      |
| PM20S-R12M-RC  | 0.12            | 40        | 25.2                | 500                  | 0.20               | 630            |                      |
| PM20S-R15M-RC  | 0.15            | 40        | 25.2                | 470                  | 0.20               | 600            |                      |
| PM20S-R18M-RC  | 0.18            | 40        | 25.2                | 400                  | 0.24               | 580            |                      |
| PM20S-R22M-RC  | 0.22            | 40        | 25.2                | 330                  | 0.30               | 565            |                      |
| PM20S-R27M-RC  | 0.27            | 40        | 25.2                | 310                  | 0.33               | 500            |                      |
| PM20S-R33M-RC  | 0.33            | 40        | 25.2                | 280                  | 0.36               | 475            |                      |
| PM20S-R39M-RC  | 0.39            | 40        | 25.2                | 230                  | 0.40               | 465            |                      |
| PM20S-R47M-RC  | 0.47            | 40        | 25.2                | 220                  | 0.44               | 460            |                      |
| PM20S-R56M-RC  | 0.56            | 40        | 25.2                | 200                  | 0.45               | 455            |                      |
| PM20S-R68M-RC  | 0.68            | 40        | 25.2                | 180                  | 0.48               | 450            |                      |
| PM20S-R82M-RC  | 0.82            | 40        | 25.2                | 160                  | 0.50               | 450            |                      |
| ±10 %          |                 |           |                     |                      |                    |                |                      |
| PM20S-1R0K-RC  | 1.0             | 30        | 7.96                | 120                  | 0.60               | 400            | CMH322522            |
| PM20S-1R2K-RC  | 1.2             | 30        | 7.96                | 110                  | 0.65               | 390            |                      |
| PM20S-1R5K-RC  | 1.5             | 30        | 7.96                | 90                   | 0.75               | 370            |                      |
| PM20S-1R8K-RC  | 1.8             | 30        | 7.96                | 85                   | 0.85               | 350            |                      |
| PM20S-2R2K-RC  | 2.2             | 30        | 7.96                | 65                   | 0.90               | 320            |                      |
| PM20S-2R7K-RC  | 2.7             | 30        | 7.96                | 60                   | 1.00               | 290            |                      |
| PM20S-3R3K-RC  | 3.3             | 30        | 7.96                | 60                   | 1.10               | 270            |                      |
| PM20S-3R9K-RC  | 3.9             | 30        | 7.96                | 58                   | 1.20               | 250            |                      |
| PM20S-4R7K-RC  | 4.7             | 30        | 7.96                | 52                   | 1.25               | 220            |                      |
| PM20S-5R6K-RC  | 5.6             | 30        | 7.96                | 50                   | 1.40               | 200            |                      |
| PM20S-6R8K-RC  | 6.8             | 30        | 7.96                | 40                   | 1.60               | 205            |                      |
| PM20S-8R2K-RC  | 8.2             | 30        | 7.96                | 35                   | 1.65               | 195            |                      |
| PM20S-100K-RC  | 10              | 30        | 2.52                | 30                   | 2.0                | 185            |                      |
| PM20S-120K-RC  | 12              | 30        | 2.52                | 24                   | 2.3                | 175            |                      |
| PM20S-150K-RC  | 15              | 30        | 2.52                | 20                   | 2.5                | 165            |                      |
| PM20S-180K-RC  | 18              | 30        | 2.52                | 17                   | 2.7                | 155            |                      |
| PM20S-220K-RC  | 22              | 30        | 2.52                | 16                   | 3.1                | 150            |                      |
| PM20S-270K-RC  | 27              | 30        | 2.52                | 14                   | 3.3                | 125            |                      |
| PM20S-330K-RC  | 33              | 30        | 2.52                | 14                   | 5.1                | 115            |                      |
| PM20S-390K-RC  | 39              | 30        | 2.52                | 14                   | 5.9                | 105            |                      |
| PM20S-470K-RC  | 47              | 30        | 2.52                | 13                   | 8.0                | 100            |                      |
| PM20S-560K-RC  | 56              | 30        | 2.52                | 11                   | 10                 | 95             |                      |
| PM20S-680K-RC  | 68              | 30        | 2.52                | 11                   | 10                 | 90             |                      |
| PM20S-820K-RC  | 82              | 30        | 2.52                | 11                   | 11                 | 85             |                      |
| PM20S-101K-RC  | 100             | 30        | 0.796               | 8                    | 12                 | 85             |                      |

“-RC” suffix indicates RoHS compliance.

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