

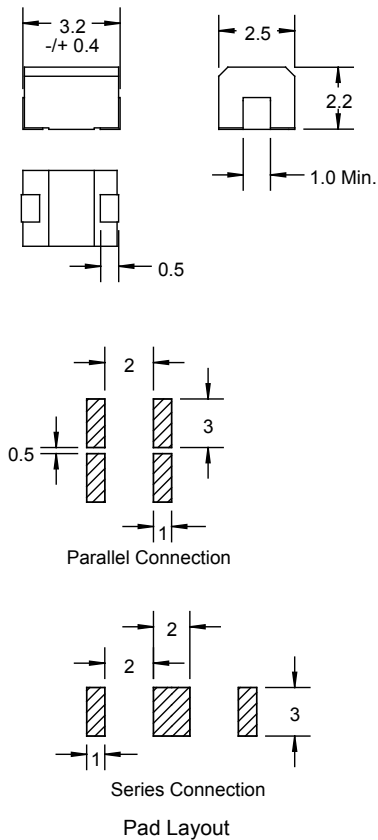
# Chip Inductors

## Special Features

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat, moisture
- Ferrite bobbin core
- Operating temperature -55 to +105°C
- Tape & reel packaged 2000/reel

## Notes

- \* Current to cause 20°C maximum temperature rise
- \*\* Crosses to the following Bourns Series  
@ [www.Bourns.com](http://www.Bourns.com)  
PM1210 link to Bourns [CM322522](http://www.bourns.com/CM322522)



Dimensions: mm  
Tolerance: +/-0.2

| PM1210 Series |                |          |                     |                      |                    |                |
|---------------|----------------|----------|---------------------|----------------------|--------------------|----------------|
| Part Number   | L (μH)<br>±10% | Q<br>Min | Test Freq.<br>(MHz) | SRF<br>(MHz)<br>Min. | DCR<br>(Ω)<br>Max. | I, DC*<br>(mA) |
| PM1210-R010K  | 0.010          | 15       | 100                 | 2500                 | 0.13               | 450            |
| PM1210-R012K  | 0.012          | 17       | 100                 | 2300                 | 0.14               | 450            |
| PM1210-R015K  | 0.015          | 19       | 100                 | 2100                 | 0.16               | 450            |
| PM1210-R018K  | 0.018          | 21       | 100                 | 1900                 | 0.18               | 450            |
| PM1210-R022K  | 0.022          | 23       | 100                 | 1700                 | 0.20               | 450            |
| PM1210-R027K  | 0.027          | 23       | 100                 | 1500                 | 0.22               | 450            |
| PM1210-R033K  | 0.033          | 25       | 100                 | 1400                 | 0.24               | 450            |
| PM1210-R039K  | 0.039          | 25       | 100                 | 1300                 | 0.27               | 450            |
| PM1210-R047K  | 0.047          | 26       | 100                 | 1200                 | 0.30               | 450            |
| PM1210-R056K  | 0.056          | 26       | 100                 | 1100                 | 0.33               | 450            |
| PM1210-R068K  | 0.068          | 27       | 100                 | 1000                 | 0.36               | 450            |
| PM1210-R082K  | 0.082          | 27       | 100                 | 900                  | 0.40               | 450            |
| ±5%           |                |          |                     |                      |                    |                |
| PM1210-R10J   | 0.10           | 28       | 100                 | 700                  | 0.44               | 450            |
| PM1210-R12J   | 0.12           | 28       | 25.2                | 500                  | 0.22               | 450            |
| PM1210-R15J   | 0.15           | 28       | 25.2                | 450                  | 0.25               | 450            |
| PM1210-R18J   | 0.18           | 28       | 25.2                | 400                  | 0.28               | 450            |
| PM1210-R22J   | 0.22           | 28       | 25.2                | 350                  | 0.32               | 450            |
| PM1210-R27J   | 0.27           | 28       | 25.2                | 320                  | 0.36               | 450            |
| PM1210-R33J   | 0.33           | 28       | 25.2                | 300                  | 0.40               | 450            |
| PM1210-R39J   | 0.39           | 28       | 25.2                | 250                  | 0.45               | 450            |
| PM1210-R47J   | 0.47           | 28       | 25.2                | 220                  | 0.50               | 450            |
| PM1210-R56J   | 0.56           | 28       | 25.2                | 180                  | 0.55               | 450            |
| PM1210-R68J   | 0.68           | 28       | 25.2                | 160                  | 0.60               | 450            |
| PM1210-R82J   | 0.82           | 28       | 25.2                | 140                  | 0.65               | 450            |
| PM1210-1R0J   | 1.0            | 28       | 7.96                | 120                  | 0.70               | 400            |
| PM1210-1R2J   | 1.2            | 28       | 7.96                | 100                  | 0.75               | 390            |
| PM1210-1R5J   | 1.5            | 28       | 7.96                | 85                   | 0.85               | 370            |
| PM1210-1R8J   | 1.8            | 28       | 7.96                | 80                   | 0.90               | 350            |
| PM1210-2R2J   | 2.2            | 30       | 7.96                | 75                   | 1.0                | 320            |
| PM1210-2R7J   | 2.7            | 30       | 7.96                | 70                   | 1.1                | 290            |
| PM1210-3R3J   | 3.3            | 30       | 7.96                | 60                   | 1.2                | 260            |
| PM1210-3R9J   | 3.9            | 30       | 7.96                | 55                   | 1.3                | 250            |
| PM1210-4R7J   | 4.7            | 30       | 7.96                | 50                   | 1.7                | 220            |
| PM1210-5R6J   | 5.6            | 30       | 7.96                | 47                   | 1.8                | 200            |
| PM1210-6R8J   | 6.8            | 30       | 7.96                | 43                   | 2.0                | 180            |
| PM1210-8R2J   | 8.2            | 30       | 7.96                | 40                   | 2.3                | 170            |
| PM1210-100J   | 10             | 30       | 2.52                | 36                   | 2.5                | 150            |
| PM1210-120J   | 12             | 30       | 2.52                | 33                   | 2.8                | 140            |
| PM1210-150J   | 15             | 30       | 2.52                | 30                   | 3.2                | 130            |
| PM1210-180J   | 18             | 30       | 2.52                | 27                   | 3.6                | 120            |
| PM1210-220J   | 22             | 30       | 2.52                | 25                   | 4.0                | 110            |
| PM1210-270J   | 27             | 30       | 2.52                | 20                   | 5.0                | 80             |
| PM1210-330J   | 33             | 30       | 2.52                | 17                   | 5.6                | 70             |
| PM1210-390J   | 39             | 30       | 2.52                | 16                   | 6.4                | 65             |
| PM1210-470J   | 47             | 30       | 2.52                | 15                   | 7.0                | 60             |
| PM1210-560J   | 56             | 30       | 2.52                | 13                   | 8.0                | 55             |
| PM1210-680J   | 68             | 30       | 2.52                | 12                   | 9.0                | 50             |
| PM1210-820J   | 82             | 30       | 2.52                | 11                   | 10                 | 45             |
| PM1210-101J   | 100            | 20       | 0.796               | 10                   | 10                 | 40             |
| PM1210-121J   | 120            | 20       | 0.796               | 10                   | 11                 | 70             |
| PM1210-151J   | 150            | 20       | 0.796               | 8                    | 15                 | 65             |
| PM1210-181J   | 180            | 20       | 0.796               | 7                    | 17                 | 60             |
| PM1210-221J   | 220            | 20       | 0.796               | 7                    | 21                 | 50             |

Also available as RoHS compliant.

**J.W. Miller**  
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