

# SMT Power Inductors

## Special Features

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat, moisture
- High current capacity
- Low DCR
- Ferrite core
- Operating temperature -55 to +125 °C
- Test frequency 1 KHz
- Tape & reel packaged 800/reel

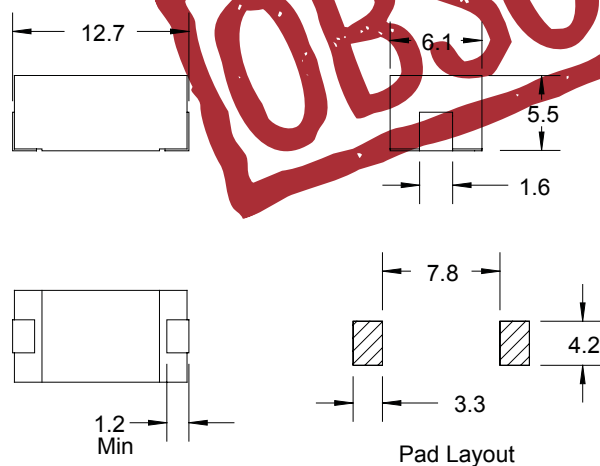
## Typical Applications

- EMI filtering
- Laptop computers
- Battery chargers
- DC/DC converters
- Network cards
- Switching boards
- Industrial electronics
- Entertainment electronic devices

## Notes

\* Saturation current to cause approx. 5 % inductance drop

\*\* Rated current to cause approx. 40 °C temperature rise



Dimensions: mm

| PM1355 Series  |                  |                 |                 |                  |
|----------------|------------------|-----------------|-----------------|------------------|
| Part Number    | L (μH)<br>± 10 % | DCR (Ω)<br>Max. | I sat. *<br>(A) | I rated**<br>(A) |
| PM1355-1R0K-RC | 1.0              | 0.015           | 7.4             | 5.10             |
| PM1355-1R2K-RC | 1.2              | 0.017           | 6.4             | 4.80             |
| PM1355-1R5K-RC | 1.5              | 0.020           | 6.0             | 4.42             |
| PM1355-1R8K-RC | 1.8              | 0.023           | 5.6             | 4.12             |
| PM1355-2R2K-RC | 2.2              | 0.029           | 5.2             | 3.67             |
| PM1355-2R7K-RC | 2.7              | 0.030           | 4.6             | 3.61             |
| PM1355-3R3K-RC | 3.3              | 0.035           | 4.0             | 3.34             |
| PM1355-3R9K-RC | 3.9              | 0.038           | 3.8             | 3.20             |
| PM1355-4R7K-RC | 4.7              | 0.043           | 3.6             | 3.00             |
| PM1355-5R6K-RC | 5.6              | 0.046           | 3.2             | 2.91             |
| PM1355-6R8K-RC | 6.8              | 0.053           | 2.8             | 2.71             |
| PM1355-8R2K-RC | 8.2              | 0.058           | 2.7             | 2.59             |
| PM1355-100K-RC | 10               | 0.071           | 2.4             | 2.34             |
| PM1355-120K-RC | 12               | 0.079           | 2.2             | 2.22             |
| PM1355-150K-RC | 15               | 0.089           | 2.0             | 2.09             |
| PM1355-180K-RC | 18               | 0.109           | 1.8             | 1.89             |
| PM1355-220K-RC | 22               | 0.150           | 1.6             | 1.61             |
| PM1355-270K-RC | 27               | 0.170           | 1.5             | 1.51             |
| PM1355-330K-RC | 33               | 0.222           | 1.4             | 1.33             |
| PM1355-390K-RC | 39               | 0.250           | 1.2             | 1.25             |
| PM1355-470K-RC | 47               | 0.330           | 1.1             | 1.09             |
| PM1355-560K-RC | 56               | 0.370           | 1.0             | 1.03             |
| PM1355-680K-RC | 68               | 0.418           | 0.96            | 0.996            |
| PM1355-820K-RC | 82               | 0.468           | 0.90            | 0.913            |
| PM1355-101K-RC | 100              | 0.620           | 0.80            | 0.793            |
| PM1355-121K-RC | 120              | 0.684           | 0.70            | 0.755            |
| PM1355-151K-RC | 150              | 0.900           | 0.62            | 0.658            |
| PM1355-181K-RC | 180              | 1.04            | 0.56            | 0.612            |
| PM1355-221K-RC | 220              | 1.16            | 0.52            | 0.580            |
| PM1355-271K-RC | 270              | 1.63            | 0.45            | 0.489            |
| PM1355-331K-RC | 330              | 1.82            | 0.41            | 0.463            |
| PM1355-391K-RC | 390              | 2.05            | 0.39            | 0.436            |
| PM1355-471K-RC | 470              | 2.7             | 0.36            | 0.380            |
| PM1355-561K-RC | 560              | 2.8             | 0.33            | 0.373            |
| PM1355-681K-RC | 680              | 4.1             | 0.29            | 0.308            |
| PM1355-821K-RC | 820              | 4.7             | 0.26            | 0.288            |
| PM1355-102K-RC | 1000             | 5.4             | 0.245           | 0.269            |
| PM1355-122K-RC | 1200             | 8.3             | 0.22            | 0.218            |
| PM1355-152K-RC | 1500             | 9.4             | 0.20            | 0.204            |
| PM1355-182K-RC | 1800             | 11.0            | 0.19            | 0.188            |
| PM1355-222K-RC | 2200             | 12.0            | 0.16            | 0.180            |
| PM1355-272K-RC | 2700             | 16.0            | 0.15            | 0.156            |
| PM1355-332K-RC | 3300             | 17.0            | 0.14            | 0.151            |
| PM1355-392K-RC | 3900             | 21.0            | 0.13            | 0.136            |
| PM1355-472K-RC | 4700             | 25.0            | 0.12            | 0.125            |
| PM1355-562K-RC | 5600             | 30.0            | 0.11            | 0.114            |
| PM1355-682K-RC | 6800             | 49.0            | 0.094           | 0.089            |
| PM1355-822K-RC | 8200             | 55.0            | 0.088           | 0.084            |
| PM1355-103K-RC | 10,000           | 62.0            | 0.080           | 0.079            |

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| <a href="#"><u>PM1355-1R0K-RC</u></a> | <a href="#"><u>PM1355-332K-RC</u></a> | <a href="#"><u>PM1355-102K-RC</u></a> | <a href="#"><u>PM1355-2R7K-RC</u></a> | <a href="#"><u>PM1355-4R7K-RC</u></a> | <a href="#"><u>PM1355-562K-RC</u></a> |
| <a href="#"><u>PM1355-1R5K-RC</u></a> | <a href="#"><u>PM1355-470K-RC</u></a> | <a href="#"><u>PM1355-270K-RC</u></a> | <a href="#"><u>PM1355-6R8K-RC</u></a> | <a href="#"><u>PM1355-1R8K-RC</u></a> | <a href="#"><u>PM1355-103K-RC</u></a> |