

0603 Multilayer Chip Inductors, General Applications

PM0603G Series

| Part Number | L (μH) ± 5% | Q Typ. | Test Freq. (MHz) | SRF (MHz) Typ. | DCR (Ω) Max. | I, DC (mA)* |
|---------------|----------------|-----------|---------------------|----------------------|--------------------|----------------|
| PM0603G-R047J | 0.047 | 10 | 50 | 260 | 0.30 | 50 |
| PM0603G-R068J | 0.068 | 10 | 50 | 250 | 0.30 | 50 |
| PM0603G-R082J | 0.082 | 10 | 50 | 245 | 0.30 | 50 |
| PM0603G-R10J | 0.10 | 15 | 25 | 240 | 0.50 | 50 |
| PM0603G-R12J | 0.12 | 15 | 25 | 205 | 0.50 | 50 |
| PM0603G-R15J | 0.15 | 15 | 25 | 180 | 0.60 | 50 |
| PM0603G-R18J | 0.18 | 15 | 25 | 165 | 0.60 | 50 |
| PM0603G-R22J | 0.22 | 15 | 25 | 150 | 0.80 | 50 |
| PM0603G-R27J | 0.27 | 15 | 25 | 136 | 0.80 | 50 |
| PM0603G-R33J | 0.33 | 15 | 25 | 125 | 0.85 | 35 |
| PM0603G-R39J | 0.39 | 15 | 25 | 110 | 1.00 | 35 |
| PM0603G-R47J | 0.47 | 15 | 25 | 105 | 1.35 | 35 |
| PM0603G-R56J | 0.56 | 15 | 25 | 95 | 1.55 | 35 |
| PM0603G-R68J | 0.68 | 15 | 25 | 80 | 1.70 | 35 |
| PM0603G-R82J | 0.82 | 15 | 25 | 75 | 2.10 | 35 |
| PM0603G-1R0J | 1.0 | 30 | 10 | 70 | 0.60 | 25 |
| PM0603G-1R2J | 1.2 | 30 | 10 | 60 | 0.80 | 25 |
| PM0603G-1R5J | 1.5 | 30 | 10 | 55 | 0.80 | 25 |
| PM0603G-1R8J | 1.8 | 30 | 10 | 50 | 0.95 | 25 |
| PM0603G-2R2J | 2.2 | 30 | 10 | 45 | 1.15 | 15 |
| PM0603G-2R7J | 2.7 | 30 | 10 | 40 | 1.35 | 15 |
| | L(uH) ± 10% | | | | | |
| PM0603G-3R3K | 3.3 | 30 | 10 | 38 | 1.55 | 15 |
| PM0603G-3R9K | 3.9 | 30 | 10 | 36 | 1.70 | 15 |
| PM0603G-4R7K | 4.7 | 30 | 10 | 33 | 2.10 | 15 |
| PM0603G-5R6K | 5.6 | 30 | 4 | 22 | 1.55 | 15 |
| PM0603G-6R8K | 6.8 | 30 | 4 | 20 | 1.70 | 15 |
| PM0603G-8R2K | 8.2 | 30 | 4 | 18 | 2.10 | 15 |
| PM0603G-100K | 10 | 30 | 2 | 17 | 2.55 | 15 |

Special Features:

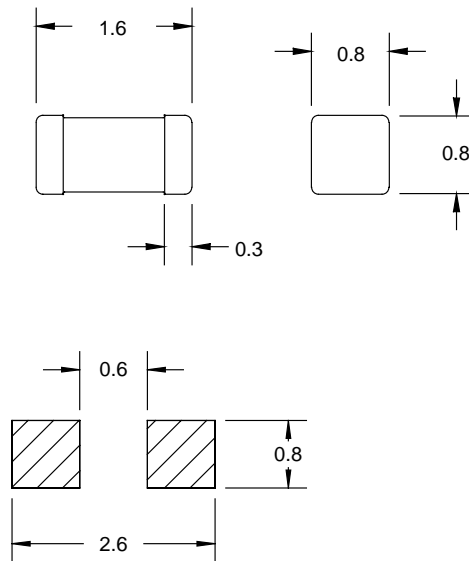
- ISO 9001 & QS9000 Certified °
- Monolithic construction provides high reliability
- High Q characteristic
- High frequency application
- Ferrite material construction provides magnetic shielding to reduce radiation
- Operating temperature -25 to +105°C
- Tape & reel package 4000/reel

Typical Applications:

- Small cellular phones
- PDAs
- Pagers
- Hand-held organizers
- High frequency wireless communication devices
- Notebook computers
- Printers
- Network cards
- Industrial electronics
- Entertainment electronic devices

Notes:

- * Current to cause 20°C of temperature rise
- ° Through Taiwan Manufacturing Facilities



Pad Layout

Tol: +/- 0.15
Dim: mm

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