



**THE DATASHEET OF
PCMB063T-R68MS**



Power choke coils

■ PCMB series.



Features

- Low profile (3.0 mm max) and small size (7.3mm x6.6mm)
- Occupying small board spaces
- Low loss and high saturating current.

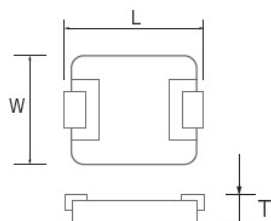
Applications

- PCs, servers, power sources, mobile devices, flat screen TVs etc.

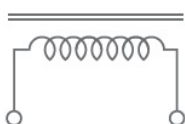
Specifications

*All made to order.

Dimensions · Electrical characteristics



Equivalent circuits

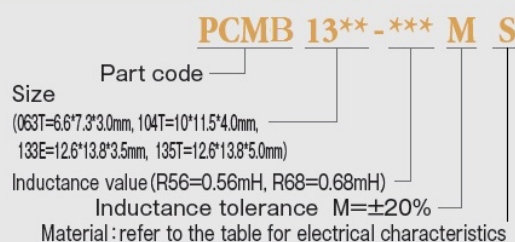


| Series Name | Size L x W x T (mm) | LO Inductance (uH) | DC resistance (mOhm) | | Rated current (A) | Saturating current(A) | Packaging |
|----------------|----------------------------------|--------------------|----------------------|------|-------------------|-----------------------|----------------|
| | | | Typical | Max | | | |
| PCMB042T-XXXMS | 4.15±0.35 x 4.0 ±0.3 x 1.8±0.2 | 0.1 | 3.5 | 4 | 12 | 22 | 2,000 pcs/reel |
| | | 0.22 | 6 | 6.6 | 9 | 12.5 | |
| | | 0.47 | 12.5 | 14 | 7 | 9.5 | |
| | | 1.0 | 24 | 27 | 4.5 | 7 | |
| | | 1.5 | 38 | 46 | 4 | 6 | |
| | | 2.2 | 52 | 58 | 3 | 5 | |
| | | 3.3 | 74 | 87 | 2.5 | 4 | |
| | | 0.68 | 11 | 12 | 8.5 | 14 | |
| | | 1.0 | 13 | 14 | 7 | 11 | |
| | | 1.2 | 15 | 16 | 6.5 | 11 | |
| PCMB053T-XXXMS | 4.85±0.35 x 4.7 ±0.2 x 2.8±0.2 | 1.5 | 18 | 20 | 6 | 10 | 2,000 pcs/reel |
| | | 2.2 | 29 | 35 | 5.5 | 9 | |
| | | 3.3 | 32 | 38 | 5 | 7 | |
| | | 3.3 | 32 | 38 | 5 | 7 | |
| PCMB063T-XXXMS | 6.95±0.35 x 6.6 ±0.2 x 2.8±0.2 | 0.1 | 1.5 | 1.7 | 32.5 | 60 | 1,000 pcs/reel |
| | | 0.2 | 2.4 | 3.0 | 24 | 41 | |
| | | 0.22 | 2.5 | 2.8 | 23 | 40 | |
| | | 0.25 | 3.0 | 3.5 | 21 | 39 | |
| | | 0.33 | 3.5 | 3.9 | 20 | 30 | |
| | | 0.47 | 4.0 | 4.2 | 17.5 | 26 | |
| | | 0.56 | 4.7 | 5 | 16.5 | 25.5 | |
| | | 0.68 | 5 | 5.5 | 15.5 | 25 | |
| | | 0.82 | 6.7 | 8 | 13 | 24 | |
| | | 0.9 | 9 | 10 | 11 | 22 | |
| | | 1.0 | 9 | 10 | 11 | 22 | |
| | | 1.2 | 10 | 12 | 10 | 20 | |
| | | 1.5 | 14 | 15 | 9 | 18 | |
| | | 2.2 | 18 | 20 | 8 | 14 | |
| | | 2.5 | 20 | 22 | 7 | 14 | |
| 3.3 | 28 | 30 | 6 | 13.5 | | | |
| 4.7 | 37 | 40 | 5.5 | 10 | | | |
| 6.8 | 54 | 60 | 4.5 | 8 | | | |
| PCMB065T-XXXMS | 7.05±0.35 x 6.6 ±0.2 x 4.8±0.2 | 0.2 | 0.9 | 1.2 | 32 | 50 | 1,000 pcs/reel |
| | | 0.22 | 1.2 | 1.4 | 30 | 50 | |
| | | 0.36 | 3.2 | 3.5 | 21 | 25 | |
| | | 0.40 | 3.2 | 3.5 | 20 | 23 | |
| | | 0.47 | 3.5 | 3.9 | 20 | 23 | |
| | | 0.56 | 3.4 | 3.6 | 20 | 18 | |
| | | 0.68 | 3.9 | 4.2 | 18 | 16 | |
| | | 0.82 | 4.6 | 4.9 | 16.5 | 17 | |
| | | 1.0 | 5.6 | 6.5 | 13 | 15 | |
| | | 1.2 | 6 | 7.5 | 11 | 12 | |
| | | 1.5 | 6.7 | 7.5 | 11 | 12 | |
| | | 2.2 | 11.2 | 12.5 | 8 | 12 | |
| | | 3.3 | 19.9 | 20.9 | 7 | 8 | |
| | | 4.7 | 23 | 25 | 6.5 | 7 | |
| | | 8.2 | 40 | 43 | 5.5 | 5.5 | |
| PCMB103T-XXXMS | 11.15±0.35 x 10.0 ±0.3 x 2.8±0.2 | 0.36 | 1.3 | 1.6 | 23 | 28 | 500 pcs/ reel |
| | | 0.47 | 2.1 | 2.5 | 23 | 26 | |
| | | 0.56 | 2.4 | 3 | 22 | 24 | |
| | | 0.68 | 2.9 | 3.4 | 21 | 23 | |
| | | 1.0 | 5.3 | 6 | 13 | 18 | |
| | | 1.5 | 6.5 | 7.5 | 13 | 20 | |
| | | 2.2 | 8 | 9 | 13 | 16 | |
| | | 3.3 | 14.5 | 16 | 9 | 14 | |
| | | 4.7 | 20.5 | 22.5 | 7 | 13 | |
| | | 8.2 | 35 | 45 | 5 | 8.5 | |
| 10 | 50 | 55 | 5 | 7.5 | | | |
| PCMB103E-XXXMS | 11.15±0.35 x 10.0 ±0.3 x 3.3±0.2 | 1.0 | 2.7 | 3.0 | 20 | 27 | 500 pcs/ reel |

| Series Name | Size L x W x T (mm) | LO Inductance (uH) | DC resistance (mOhm) | | Rated current (A) | Saturating current(A) | Packaging |
|----------------|---------------------------------|--------------------|----------------------|------|-------------------|-----------------------|---------------|
| | | | Typical | Max | | | |
| PCMB104T-XXXMS | 11.15±0.35 x 10.0±0.3 x 3.8±0.2 | 0.15 | 0.5 | 0.65 | 40 | 75 | 500 pcs/ reel |
| | | 0.19 | 0.7 | 0.8 | 38 | 60 | |
| | | 0.22 | 0.9 | 1.0 | 35 | 60 | |
| | | 0.36 | 1.05 | 1.2 | 30 | 50 | |
| | | 0.39 | 1.1 | 1.2 | 31 | 45 | |
| | | 0.41 | 1.1 | 1.3 | 30 | 60 | |
| | | 0.47 | 1.6 | 1.8 | 26 | 40 | |
| | | 0.56 | 1.6 | 1.8 | 25 | 33 | |
| | | 0.68 | 2.4 | 2.7 | 22 | 39 | |
| | | 0.88 | 2.7 | 3.0 | 20 | 38 | |
| | | 1.0 | 3 | 3.3 | 18 | 28 | |
| | | 1.5 | 3.8 | 4.2 | 16 | 32 | |
| | | 1.8 | 4.5 | 5 | 15 | 15 | |
| | | 2.0 | 5.2 | 5.8 | 14 | 14 | |
| | | 2.2 | 6.0 | 7 | 12 | 18 | |
| | | 3.3 | 10.8 | 11.8 | 10 | 16 | |
| | | 4.7 | 17 | 20 | 8.5 | 15 | |
| | | 5.6 | 20 | 23 | 7.5 | 14 | |
| | | 6.8 | 22.5 | 25 | 6.5 | 9 | |
| | | 10 | 27.5 | 30 | 7.5 | 8.5 | |
| 15 | 40 | 45 | 6.25 | 7.0 | | | |
| 22 | 60 | 66 | 5.0 | 5.5 | | | |
| 33 | 85 | 92 | 4.4 | 5.0 | | | |
| 47 | 130 | 145 | 3.3 | 3.5 | | | |
| 68 | 178 | 195 | 2.3 | 3.0 | | | |
| PCMB104E-XXXMS | 10.85±0.35 x 10.0±0.3 x 4.3±0.2 | 1.0 | 2.7 | 3.2 | 22 | 34 | 500 pcs/ reel |
| | | 2.2 | 5.8 | 7 | 14 | 16 | |
| | | 3.3 | 11 | 13.2 | 11 | 14.5 | |
| | | 4.7 | 13.2 | 15 | 10 | 13 | |
| | | 5.6 | 16 | 18.5 | 8.5 | 10.5 | |
| 6.8 | 21.5 | 24 | 7.5 | 9.5 | | | |
| PCMB105T-R47MS | 11.15±0.35 x 10.0±0.3 x 4.8±0.2 | 0.47 | 0.95 | 1.1 | 36 | 50 | 500 pcs/ reel |
| PCMB133E-XXXMS | 13.45±0.35 x 12.6±0.3 x 3.3±0.2 | 0.22 | 1.1 | 1.3 | 38 | 65 | 500 pcs/ reel |
| | | 0.33 | 1.3 | 1.5 | 36.5 | 62 | |
| | | 0.39 | 1.1 | 1.3 | 38 | 65 | |
| | | 0.47 | 1.7 | 2 | 32 | 55 | |
| | | 0.56 | 1.8 | 2.2 | 29 | 51 | |
| | | 0.62 | 1.8 | 2.2 | 29 | 51 | |
| | | 0.68 | 2.3 | 2.5 | 28 | 49 | |
| | | 1.0 | 3.3 | 3.5 | 24 | 40 | |
| | | 1.5 | 5.1 | 5.5 | 19 | 35 | |
| | | 2.2 | 7.2 | 8.0 | 16 | 29 | |
| | | 3.3 | 10 | 12 | 12 | 27 | |


Rated current : the current that increases the temperature by 40°C
 Saturating current : The current that reduces inductance by 30% (PCMB)
 * Contact us for details.

Part numbering system






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