



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.



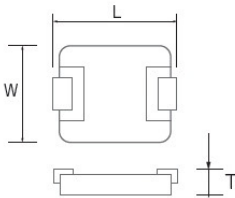
Applications

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

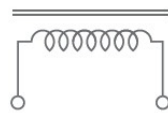
Specifications

*All made to order.

Dimensions · Electrical characteristics



Equivalent circuits

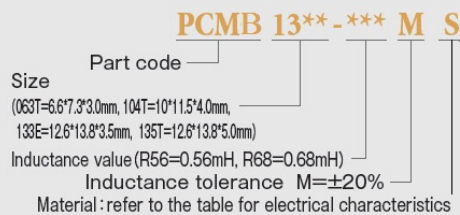


| Series name | Size LxWxT (mm) | LO Inductance (uH) | DC resistance (mΩ) | | Rated current (A) | | Saturating current (A) | | Packaging |
|----------------|-----------------|--------------------|--------------------|------|-------------------|---------|------------------------|---------|----------------|
| | | | Typical | Max | Typical | Typical | Typical | Typical | |
| PCMB042T-XXXMS | 4.15x4.0x1.8 | 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 | 4.7x4.85x2.8 | 1.5 | 18 | 20 | 6 | 10 | | | 1,000 pcs/reel |
| | | 2.2 | 29 | 35 | 5.5 | 9 | | | |
| | | 3.3 | 32 | 39 | 5 | 7 | | | |
| | | 0.1 | 1.5 | 1.7 | 32.5 | 60 | | | |
| | | 0.2 | 2.4 | 3.0 | 24 | 41 | | | |
| | | 0.22 | 2.5 | 2.9 | 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 | | | |
| PCMB063T-XXXMS | 6.6x6.95x2.8 | 0.68 | 5 | 5.5 | 15.5 | 25 | | | 1,000 pcs/reel |
| | | 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 | | | |
| PCMB065T-XXXMS | 6.6x7.05x4.8 | 6.8 | 54 | 60 | 4.5 | 8 | | | 1,000 pcs/reel |
| | | 0.2 | 0.9 | 1.2 | 32 | 50 | | | |
| | | 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 | | | |
| PCMB103T-XXXMS | 10x11.15x2.8 | 1.2 | 6 | 7.5 | 11 | 12 | | | 1,000 pcs/reel |
| | | 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 | | | |
| | | 0.36 | 1.3 | 1.6 | 23 | 28 | | | |
| | | 0.47 | 2.1 | 2.5 | 23 | 26 | | | |
| | | 0.56 | 2.4 | 3 | 22 | 24 | | | |
| | | 0.68 | 2.9 | 3.4 | 21 | 23 | | | |
| PCMB103E-XXXMS | 10x11.15x3.3 | 1.0 | 5.3 | 6 | 13 | 18 | | | 1,000 pcs/reel |
| | | 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 | | | |
| | | 1.0 | 2.7 | 3.0 | 20 | 27 | | | |

| Series name | Size LxWxT (mm) | LO Inductance (uH) | DC resistance (mΩ) | | Rated current (A) | | Saturating current (A) | | Packaging |
|----------------|-----------------|--------------------|--------------------|------|-------------------|---------|------------------------|---------|----------------|
| | | | Typical | Max | Typical | Typical | Typical | Typical | |
| PCMB104T-XXXMS | 10x11x3.8 | 0.15 | 0.5 | 0.65 | 40 | 75 | | | 1,000 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 | | | | | |
| PCMB104E-XXXMS | 10x11x4.3 | 68 | 178 | 195 | 2.3 | 3.0 | | | 1,000 pcs/reel |
| | | 1.0 | 2.7 | 3.2 | 22 | 34 | | | |
| | | 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 | | | | | |
| PCMB133E-XXXMS | 12.6x13.45x3.3 | 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





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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