

Power Choke Coil

PCMC series, PCMB series



- Small size of 7.3mm×6.6mm and low tap of 3.0mm max
- Excellent loss characteristics and high saturation current

Applications

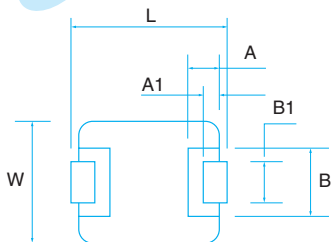
- *High speed drive DC/DC inverter for server, router etc.
- *CPU power for note PC and desktop PC

RoHS compliant

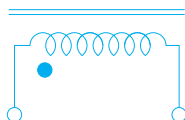
Completely lead free

SPECIFICATIONS

Mechanical



Equivalent circuit



Dimension (Inch Size)	PCMC063 (2926)	PCMC104 (4539)		PCMC133 (5450)	PCMC135 (5450)
		104T	104E		
L	7.3max.	11.5max.		13.8max.	13.8max.
W	6.6±0.2	10±0.2		12.6±0.2	12.6±0.2
T	3.0max.	4.0max.	4.5max.	3.5max.	5.0max.
A	2.0±0.1	2.5±0.1		2.5±0.1	2.5±0.1
A1	1.3±0.3	2.0±0.5		2.0±0.5	2.0±0.5
B	3.6±0.2	5.0±0.2		6.0±0.2	6.0±0.2
B1	3.0±0.3	3.0±0.2		4.0±0.3	4.0±0.3

(unit : mm)

Electrical

063 type

	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC063T	0.10	1.5	1.7	32.5	60.0
	0.20	2.4	3.0	24.0	41.0
	0.22	1.9	2.5	26.0	52.0
	0.33	3.5	3.9	20.0	30.0
	0.47	4.0	4.2	17.5	26.0
	0.68	5.0	5.5	15.5	25.0
	0.82	6.7	8.0	13.0	24.0
	1.00	9.0	10.0	11.0	22.0
	1.20	10.0	12.0	10.0	20.0
	1.50	14.0	15.0	9.0	18.0
	2.20	18.0	20.0	8.0	14.0
	3.30	28.0	30.0	6.0	13.5
PCMB063T	4.70	37.0	40.0	5.5	10.0
	1.50	10.8	12.0	9.0	11.5
	2.20	18.0	20.0	8.0	10.0
	4.70	32.5	35.0	5.5	6.5
	8.20	54.0	60.0	4.5	6.0
	10.0	62.0	68.0	4.0	5.5

133 type

	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC133E	0.56	1.8	2.2	29.0	50.0
	0.68	2.3	2.5	28.0	49.0
	1.00	3.3	3.5	24.0	40.0
	2.20	7.2	8.0	16.0	29.0

104 type

	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC104T	0.36	1.1	1.2	30.0	60.0
	0.56	1.6	1.8	25.0	40.0
	0.88	2.7	3.0	20.0	38.0
	1.00	3.0	3.3	18.0	36.0
	1.50	3.8	4.2	16.0	33.0
	2.20	6.7	7.0	12.0	27.0
PCMB104E	0.45	1.1	1.3	25.0	27.0
	10.0	27.5	30.0	6.0	6.0
	2.20	5.8	7.0	14.0	16.0
	3.30	11.0	13.2	11.0	14.5
	4.70	13.2	15.0	10.0	13.0

135 type

	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC135T	0.36	0.77	1.1	41.0	75.0
	0.47	1.1	1.3	38.0	65.0
	0.50	1.2	1.5	36.0	55.0
	0.56	1.2	1.5	36.0	55.0
	0.68	1.5	1.7	34.0	54.0
	1.00	2.1	2.5	29.0	50.0
	1.50	3.4	4.1	23.0	48.0
	2.20	4.0	5.0	20.0	35.0
	3.30	7.7	9.2	15.0	32.0

* The data is measured at 25°C

* Rated current signify current value at temperature raise of 40°C

* Saturation current signify current value at inductance change of 20%

PART NUMBER

PCMC 104T - R56 M N

Materials

Inductance tolerance M=±20%

Inductance value (R56=0.56μH, R68=0.68μH)

Dimensions (063T=6.6*7.3*3.0mm, 104T=10*11.5*4.0mm,

133E=12.6*13.8*3.5mm, 135T=12.6*13.8*5.0mm)

Part Code

