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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



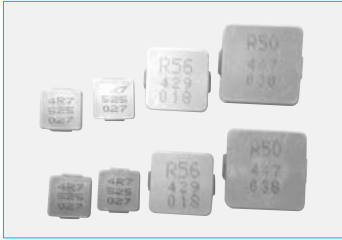
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# Power Choke Coil

## 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

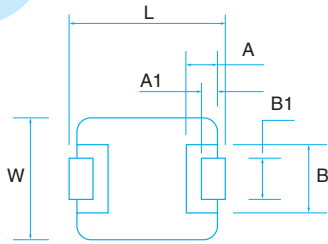
- \*High speed drive DC/DC inverter for server, router etc.
- \*CPU power for note PC and desktop PC

RoHS compliant

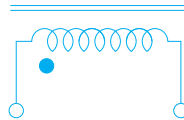
Completely lead free

## SPECIFICATIONS

### Mechanical



### Equivalent circuit



Dimension (Inch Size)	PCMC063	PCMC103		PCMC104		PCMC105T	PCMC133	PCMC135
		103T	103E	104T	104E			
L	7.3max.	11.5±0.35		11.5max.		11.15±0.35	13.8max.	13.8max.
W	6.6±0.2	10±0.3		10±0.2		10±0.3	12.6±0.2	12.6±0.2
T	3.0max.	2.8±0.2	3.3±0.2	4.0max.	4.5max.	4.8±0.2	3.5max.	5.0max.
A	2.0±0.1	2.5±0.1		2.5±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	2.0±0.5	2.0±0.5
B	3.6±0.2	5.0±0.2		5.0±0.2		5.0±0.2	6.0±0.2	6.0±0.2
B1	3.0±0.3	3.0±0.2		3.0±0.2		3.0±0.2	4.0±0.3	4.0±0.3

(unit : mm)

### Electrical

#### 063 type

PCMC063T-***MN	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC063T-R10MN	0.10	1.5	1.7	32.5	60.0
PCMC063T-R20MN	0.20	2.4	3.0	24.0	41.0
PCMC063T-R22MN	0.22	2.5	2.8	23.0	40.0
PCMC063T-R33MN	0.33	3.5	3.9	20.0	30.0
PCMC063T-R47MN	0.47	4.0	4.2	17.5	26.0
PCMC063T-R68MN	0.68	5.0	5.5	15.5	25.0
PCMC063T-R82MN	0.82	6.7	8.0	13.0	24.0
PCMC063T-1R0MN	1.00	9.0	10.0	11.0	22.0
PCMC063T-1R2MN	1.20	10.0	12.0	10.0	20.0
PCMC063T-1R5MN	1.50	14.0	15.0	9.0	18.0
PCMC063T-2R2MN	2.20	18.0	20.0	8.0	14.0
PCMC063T-3R3MN	3.30	28.0	30.0	6.0	13.5
PCMC063T-4R7MN	4.70	37.0	40.0	5.5	10.0
PCMC063T-6R8MN	6.80	54.0	60.0	4.5	8.0

PCMB063T-***M*	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMB063T-8R2MS	8.20	54.0	60.0	4.5	6.0
PCMB063T-100MS	10.00	62.0	68.0	4.0	5.5
PCMB063T-1R0MT	1.00	6.7	7.5	14.0	12.0
PCMB063T-2R2MT	2.20	14.3	15.5	10.0	10.0
PCMB063T-3R3MT	3.30	22.6	24.0	8.5	8.0
PCMB063T-4R7MT	4.70	32.5	35.0	7.0	5.0

Rated current : Current that will increase temperature by 40°C

Saturating current : The current that reduces inductance by 20% (PCMC), 30% (PCMB)

Packaging : 500 piece reel for PCMC135T, PCMC133E, PCMC (B) 104, 1000 piece reel for PCMC (B) 063T

#### 103, 104, 105 type

PCMC104T-***MN	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC104T-R22MN	0.22	0.90	1.00	35.0	60.0
PCMC104T-R68MN	0.68	2.40	2.70	22.0	39.0
PCMC104T-R88MN	0.88	2.70	3.00	20.0	38.0
PCMC104T-1R5MN	1.50	3.80	4.20	16.0	33.0
PCMC104T-2R2MN	2.20	6.70	7.00	12.0	27.0

PCMB104T-***MN 103, 105	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMB103T-R36MS	0.36	1.30	1.6	23.0	28.0
PCMB103T-R47MS	0.47	2.10	2.5	20.0	26.0
PCMB103T-8R2MS	8.20	35.00	45.0	5.0	8.5
PCMB103E-1R0MS	1.00	2.70	3.0	20.0	27.0
PCMB104T-R36MT	0.36	1.05	1.2	30.0	50.0
PCMB104T-R56MT	0.56	1.60	1.8	25.0	33.0
PCMB104T-1R0MT	1.00	3.00	3.3	18.0	28.0
PCMB104T-1R8MS	1.80	4.50	5.0	15.0	15.0
PCMB104T-2R0MS	2.00	5.20	5.8	14.0	14.0
PCMB104T-2R2MS	2.20	6.00	7.0	12.0	18.0
PCMB104E-2R2MS	2.20	5.80	7.0	14.0	16.0
PCMB104T-3R3MS	3.30	10.80	11.8	10.0	16.0
PCMB104E-3R3MS	3.30	11.00	13.2	11.0	14.5
PCMB104E-4R7MS	4.70	13.20	15.0	10.0	13.0
PCMB104E-6R8MS	6.80	21.50	24.0	7.5	9.5
PCMB104T-100MS	10.00	27.50	30.0	6.0	6.0
PCMB105T-R47MS	0.47	0.95	1.1	36.0	50.0

#### 133 type

PCMC133E-***MF	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC133E-R56MF	0.56	1.80	2.20	29	51
PCMC133E-R68MF	0.68	2.30	2.50	28	49
PCMC133E-1R0MF	1.00	3.30	3.50	24	40
PCMC133E-2R2MF	2.20	7.20	8.00	16	29

#### 135 type

PCMC135T-***MF	L0(μH) Inductance	Rdc(mΩ)		Rated current (A)	Saturation current (A)
		Typical	MAX.		
PCMC135T-R36MF	0.36	0.77	1.10	41	75
PCMC135T-R47MF	0.47	1.10	1.30	38	65
PCMC135T-R50MF	0.50	1.20	1.50	36	55
PCMC135T-R56MF	0.56	1.20	1.50	36	55
PCMC135T-R62MF	0.62	1.50	1.70	34	54
PCMC135T-R68MF	0.68	1.50	1.70	34	54
PCMC135T-1R0MF	1.00	2.10	2.50	29	50
PCMC135T-1R5MF	1.50	3.40	4.10	23	48
PCMC135T-2R2MF	2.20	4.60	5.50	20	32
PCMC135T-3R3MF	3.30	7.70	9.20	15	32

## PART NUMBER

PCMC 13\*\* - \*\*\* M N(S,T)

