



# 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.



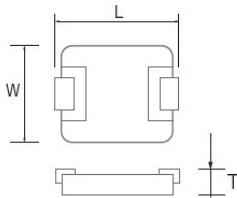
## Applications

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

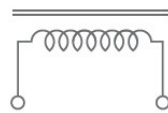
## Specifications

\*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			2,000 pcs/reel
		2.2	29	35	5.5	9			
		3.3	32	38	5	7			
		0.1	1.5	1.7	32.5	60			
		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			
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

