



# 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

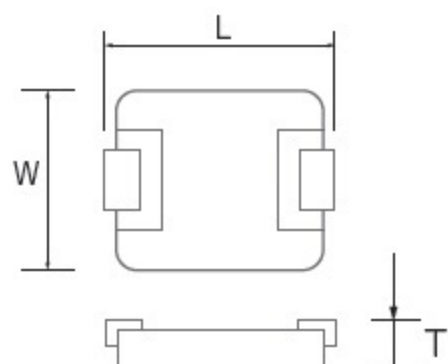
- PCs, servers, power sources, mobile devices, flat screen TVs etc.



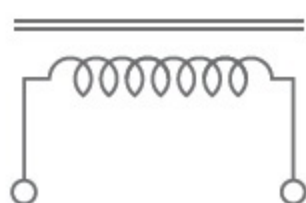
## Specifications

\*All made to order.

### Dimensions • Electrical characteristics



### Equivalent circuits

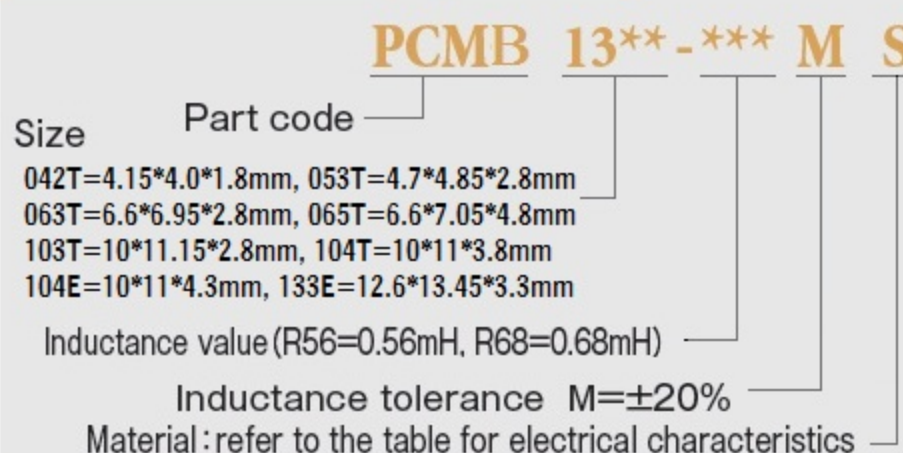


Series name	Size LxWxT (mm)	LO Inductance (uH)	DC resistance (mΩ)		Rated current (A)	Saturating current (A)	Packaging
			Typical	Max			
PCMB042T-XXXMS	4.15x4.0x1.8	0.1	3.5	4	12	22	2,000 pcs/reel
		0.22	6	6.6	9	12.5	
		0.47	12.5	14	7	9.5	
		1.0	24	27	4.5	7	
		1.5	38	46	4	6	
		2.2	52	58	3	5	
		3.3	74	87	2.5	4	
		0.68	11	12	8.5	14	
PCMB053T-XXXMS	4.7x4.85x2.8	1.0	13	14	7	11	1,000 pcs/reel
		1.2	15	16	6.5	11	
		1.5	18	20	6	10	
		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			
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			
0.2	0.9	1.2	32	50	500 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			
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	10x11.15x3.3	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			
PCMB104T-XXXMS	10x11x3.8	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			
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			
PCMB104E-XXXMS	10x11x4.3	0.47	0.95	1.1	36	50	
PCMB105T-R47MS	10x11x4.8	0.22	1.1	1.3	38	65	500 pcs/reel
PCMB133E-XXXMS	12.6x13.45x3.3	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



Power choke coils  
PCMB series