



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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 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.

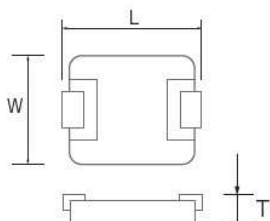
Applications

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

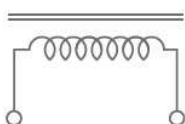
Specifications

*All made to order.

Dimensions · Electrical characteristics



Equivalent circuits



Series Name	Size L x W x T (mm)	LO Inductance (uH)	DC resistance (mOhm)		Rated current (A)	Saturating current(A)	Packaging
			Typical	Max			
PCMB042T-XXXMS	4.15±0.35 x 4.0 ±0.3 x 1.8±0.2	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	4.85±0.35 x 4.7 ±0.2 x 2.8±0.2	1.5	18	20	6	10	2,000 pcs/reel
		2.2	29	35	5.5	9	
		3.3	32	38	5	7	
		3.3	32	38	5	7	
PCMB063T-XXXMS	6.95±0.35 x 6.6 ±0.2 x 2.8±0.2	0.1	1.5	1.7	32.5	60	1,000 pcs/reel
		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			
PCMB065T-XXXMS	7.05±0.35 x 6.6 ±0.2 x 4.8±0.2	0.2	0.9	1.2	32	50	1,000 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	
PCMB103T-XXXMS	11.15±0.35 x 10.0 ±0.3 x 2.8±0.2	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	11.15±0.35 x 10.0 ±0.3 x 3.3±0.2	1.0	2.7	3.0	20	27	500 pcs/ reel

Series Name	Size L x W x T (mm)	LO Inductance (uH)	DC resistance (mOhm)		Rated current (A)	Saturating current(A)	Packaging
			Typical	Max			
PCMB104T-XXXMS	11.15±0.35 x 10.0±0.3 x 3.8±0.2	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			
PCMB104E-XXXMS	10.85±0.35 x 10.0±0.3 x 4.3±0.2	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			
PCMB105T-R47MS	11.15±0.35 x 10.0±0.3 x 4.8±0.2	0.47	0.95	1.1	36	50	500 pcs/ reel
PCMB133E-XXXMS	13.45±0.35 x 12.6±0.3 x 3.3±0.2	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

