

# Power choke coils

PCMB series, PCMC series **NEW**



## 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

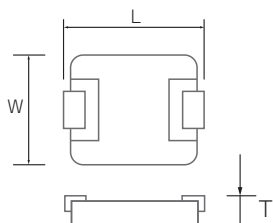
- PCs, servers, power sources, mobile devices, flat screen TVs etc.



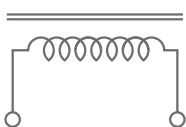
## Specifications

\*All made to order.

### Dimensions • Electrical characteristics



### Equivalent circuits



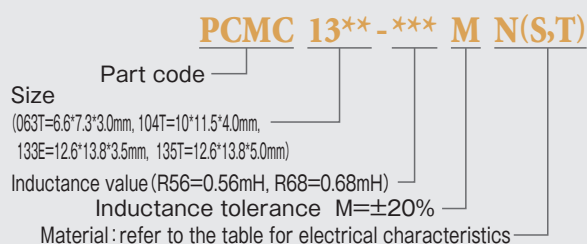
Series name	Size LxWxT (mm)	LO Inductance (uH)	DC resistance (mΩ)		Rated current(A)	Saturating current(A)	Packaging
			Typical	Max			
PCMB065T-XXXMS	6.6×7.05×4.8	0.2	0.9	1.2	32	50	1,000 pcs/reel
		0.22	1.2	1.4	30	50	
		0.36	3.2	3.5	21	25	
		0.40	3.2	3.5	20	23	
		0.47	3.5	3.9	20	23	
		0.56	3.4	3.6	20	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	
PCMB101E-XXXMS	10×10.85×1.3	0.68	15	16	7.5	16	1,000 pcs/reel
		0.82	16	18	6.0	14	
PCMB103T-XXXMS	10×11.15×2.8	0.36	1.3	1.6	23	28	1,000 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	
PCMB103E-XXXMS	10×11.15×3.3	1.0	2.7	3.0	20	27	1,000 pcs/reel
		1.0	2.7	3.0	20	27	
PCMB104T-XXXMS	10×11×3.8	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			

Series name	Size LxWxT (mm)	LO Inductance (uH)	DC resistance (mΩ)		Rated current(A)	Saturating current(A)	Packaging
			Typical	Max			
PCMB104T-XXXMS	10×11×3.8	15	40	45	6.25	7.0	1,000 pcs/reel
		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	10×11×4.3	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	
		0.22	1.1	1.3	38	65	
PCMC133E-XXXMF	12.6×13.45×3.3	0.33	1.3	1.5	36.5	62	500 pcs/reel
		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	
PCMC135T-XXXMF	12.6×13.45×4.8	0.15	0.55	0.70	45	110	500 pcs/reel
		0.36	0.77	1.1	41	75	
		0.47	1.1	1.3	38	65	
		0.5	1.2	1.5	36	55	
		0.56	1.2	1.5	36	55	
		0.62	1.5	1.7	34	54	
		0.68	1.5	1.7	34	54	
		0.82	1.8	2.1	31	53	
		1.0	2.1	2.5	29	50	
		1.2	2.6	3.0	25	49	
		1.5	3.4	4.1	23	48	
		2.2	4.6	5.5	20	32	
		3.3	7.7	9.2	15	32	
PIMB136T-XXXMS	12.6×13.45×6.0	4.7	12.8	15	12	27	500 pcs/reel
		6.3	15.4	18.5	11	21	
		6.8	15.4	18.5	11	21	
		15	25.0	29.0	6.0	9.0	
		18	30.0	35.0	5.0	8.0	
		22	34.0	39.5	5.0	7.5	
27	49.0	56.0	4.0	6.5			

Rated current : the current that increases the temperature by 40°C  
 Saturating current : The current that reduces inductance by 20% (PCMC) or 30% (PCMB/PS/PST/PL)

※ Contact us for details.

## Part numbering system



Power choke coils

PCMB series, PCMC series