



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.

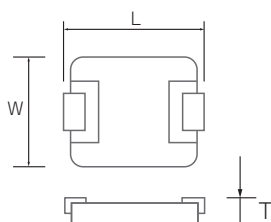
Applications

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

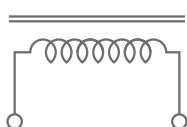
Specifications

*All made to order.

Dimensions • Electrical characteristics



Equivalent circuits



Series name	Size L×W×T (mm)	LO Inductance (uH)	DC resistance (mΩ)		Rated current(A)	Saturating current(A)	Packaging
			Typical	Max	Typical	Typical	
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	
		8.2	40	43	5.5	5.5	
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	1	18	21	5.5	12	
		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	
		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	
PCMB103E- XXXMS	10×11.15 ×3.3	8.2	35	45	5	8.5	
		10	50	55	5	7.5	
PCMB104T- XXXMS	10×11× 3.8	1.0	2.7	3.0	20	27	
		0.15	0.5	0.65	40	75	
		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 L×W×T (mm)	LO Inductance (uH)	DC resistance (mΩ)		Rated current(A)	Saturating current(A)	Packaging
			Typical	Max	Typical	Typical	
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	
		1.0	2.7	3.2	22	34	
PCMB104E- XXXMS	10×11× 4.3	2.2	5.8	7	14	16	1,000 pcs/reel
		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	
		4.7	12.8	15	12	27	
PIMB136T- XXXMS	12.6× 13.45×6.0	6.3	15.4	18.5	11	21	500 pcs/reel
		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

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

Part code

Size
(063T=6.6*7.3*3.0mm, 104T=10*11.5*4.0mm,
133E=12.6*13.8*3.5mm, 135T=12.6*13.8*5.0mm)

Inductance value (R56=0.56mH, R68=0.68mH)

Inductance tolerance M=±20%

Material : refer to the table for electrical characteristics

Power choke coils

PCMB series, PCMC series

Small choke coils

PCMB series, PS series

NEW

Features

- Low DCR and large current for small sizes
- High efficiency and low loss

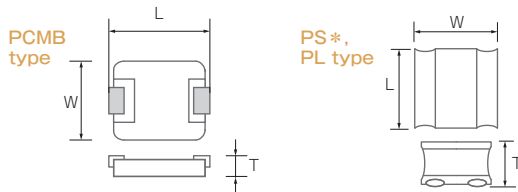
Applications

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

Specifications

* All made to order.

Dimensions • Electrical characteristics



Series name	Size L×W×T (mm)	L Inductance (μH)	DC resistance (mΩ)		Rated current (A)		Saturating current (A)	Packaging
			Typical	Max	Typical	Typical		
PST 16081T-XXXMS (in development)	1.6×0.8×1.0	0.22	40	47	1.7	1.3	2,000 pcs/reel	
		0.47	68	81	1.3	0.95		
		1	96	113	1	0.65		
		1.5	186	218	0.8	0.5		
		2.2	244	287	0.65	0.43		
		3.3	415	487	0.5	0.33		
		4.7	477	561	0.45	0.27		
PST 20161T-XXXMS	2.0×1.6×1.0	1	66	80	1.8	1.27	2,000 pcs/reel	
		1.5	92	112	1.6	1.15		
		2.2	133	162	1.4	0.95		
		3.3	185	225	1.2	0.8		
		4.7	246	299	1	0.65		
		6.8	385	467	0.8	0.55		
		10	430	522	0.7	0.45		
PST 25201B-XXXMS	2.5×2.0×1.2	22	1150	1395	0.5	0.29	2,000 pcs/reel	
		0.47	25	29	3.7	3.9		
		1	37	43	2.6	2.7		
		1.5	63	72	2.2	2.3		
		2.2	80	90	1.85	2.15		
		3.3	140	155	1.45	1.7		
		4.7	190	212	1.2	1.5		
PL052B-XXXMS	4.95×4.95×1.2	6	260	288	1.1	1.35	1,000 pcs/reel	
		6.8	325	370	1	1.15		
		10	360	410	0.75	0.85		
		22	910	1050	0.5	0.56		
		1.2	21	25	4.2	4.7		
		1.8	28	32	3.8	3.85		
		2.2	36	40	3.4	3.35		
PS073T-XXXMS	6.9×6.9×3.0	3.3	54	60	2.7	2.75	1,000 pcs/reel	
		4.7	73	81	2.3	2.2		
		6.8	100	115	2	1.85		
		10	140	160	1.7	1.54		
		22	280	320	1.2	0.99		
		1.5	14	18	6	8.3		
		2.2	17	21	5.5	7.4		

Part numbering system

PS 031* - *** M (S)

Part code
Size : B (2.9mm*2.9mm*1.2mm),
T (2.9mm*2.9mm*1.0mm)
Inductance value
Resistance tolerance : ±20%
Material : refer to the table for electrical characteristics

Series name	Size L×W×T (mm)	L Inductance (μH)	DC resistance (mΩ)		Rated current (A)	Saturating current (A)	Packaging
			Typical	Max	Typical	Typical	
PCMB042T-XXXMS	4.15×4.0×1.8	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	
PCMB051H-XXXMS	5.4×5.2×1.6	4.7	80	85	3.5	4	2,000 pcs/reel
		6.8	110	120	2.7	3.4	
		10	140	155	2.5	3	
		0.68	11	12	8.5	14	
PCMB053T-XXXMS	4.7×4.85×2.8	1.0	13	14	7	11	2,000 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	
PCMB061H-XXXMS	6.6×7.05×1.6	0.1	2	2.5	18	45	1,000 pcs/reel
		0.33	5.2	6.8	12	22	
		0.47	7.3	8.4	11	18	
		0.68	10.8	12.7	9	17	
		1.0	14.5	17	7	14	
		2.0	28	32	6	11	
		2.2	31	35	6	13	
		3.3	56	60	3.5	10	
		4.7	68	70	3.5	5	
		6.8	101	110	2.8	2.5	
PCMB062D-XXXMS	6.6×6.95×2.2	10.0	130	138	2.5	2.5	1,000 pcs/reel
		0.1	1.5	1.7	30	70	
		0.2	2.2	2.8	25	50	
		0.22	2.9	3.2	21	34	
		0.47	4.9	5.5	15	22	
		0.56	5.9	6.5	13	20	
		0.81	8.3	9.5	11	14	
		1.0	11.2	13.5	9	16	
		1.5	17	20	9	15	
		2.2	23	28	7	14	
PCMB063T-XXXMS	6.6×6.95×2.8	3.3	31	39	5.5	13	1,000 pcs/reel
		4.7	41	50	5	10	
		6.8	57	70	4	6	
		10.0	92	101	3.1	2.5	
		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	
PCMB064T-XXXMS	6.6×6.95×3.8	0.56	4.7	5	16.5	25.5	500 pcs/reel
		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	

Rated current : the current that increases the temperature by 40°C
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