

Small choke coils

■ PCMB series, PS series **NEW**

Features

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

Applications

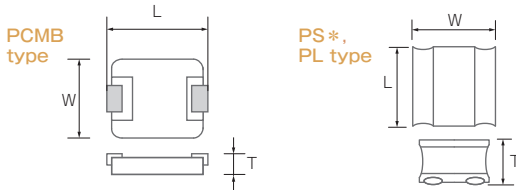
- PCs, servers, power sources, mobile devices, flat screen TVs etc.



Specifications

* All made to order.

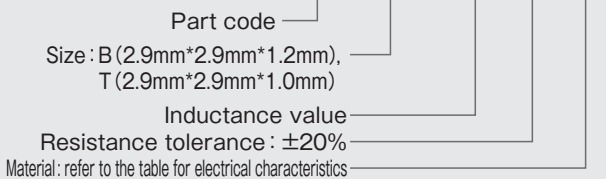
Dimensions • Electrical characteristics



Series name	Size L×W×T (mm)	L Inductance (μH)	DC resistance (mΩ)		Rated current (A)		Saturating current (A)		Packaging
			Typical	Max	Typical	Typical	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			
PST 20161T-XXXMS	2.0×1.6×1.0	4.7	477	561	0.45	0.27			2,000 pcs/reel
		1	66	80	1.8	1.27			
		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			
PST 25201B-XXXMS	2.5×2.0×1.2	6.8	385	467	0.8	0.55			2,000 pcs/reel
		10	430	522	0.7	0.45			
		22	1150	1395	0.5	0.29			
		0.47	25	29	3.7	3.9			
		1	37	43	2.6	2.7			
		1.5	63	72	2.2	2.3			
PL052B-XXXMS	4.95×4.95×1.2	2.2	80	90	1.85	2.15			1,000 pcs/reel
		3.3	140	155	1.45	1.7			
		4.7	190	212	1.2	1.5			
		6	260	288	1.1	1.35			
		6.8	325	370	1	1.15			
		10	360	410	0.75	0.85			
PS073T-XXXMS	6.9×6.9×3.0	22	910	1050	0.5	0.56			1,000 pcs/reel
		1.2	21	25	4.2	4.7			
		1.8	28	32	3.8	3.85			
		2.2	36	40	3.4	3.35			
		3.3	54	60	2.7	2.75			
		4.7	73	81	2.3	2.2			
PS073T-XXXMS	6.9×6.9×3.0	6.8	100	115	2	1.85			1,000 pcs/reel
		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			
		3.3	20	25	5	6			
		4.7	27	34	4.5	5			
		6.8	34	43	4.1	4			
		10	38	48	3.7	2.7			
		15	50	63	3.2	2.2			
PS073T-XXXMS	6.9×6.9×3.0	22	90	113	2.6	2.1			1,000 pcs/reel
		33	145	181	2	1.9			
		47	180	225	1.4	1.5			

Part numbering system

PS 031* - *** M (S)



Series name	Size L×W×T (mm)	L Inductance (μH)	DC resistance (mΩ)		Rated current (A)		Saturating current (A)		Packaging
			Typical	Max	Typical	Typical	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			
PCMB051H-XXXMS	5.4×5.2×1.6	3.3	74	87	2.5	4			2,000 pcs/reel
		4.7	80	85	3.5	4			
		6.8	110	120	2.7	3.4			
		10	140	155	2.5	3			
		0.68	11	12	8.5	14			
		1.0	13	14	7	11			
PCMB053T-XXXMS	4.7×4.85×2.8	1.2	15	16	6.5	11			2,000 pcs/reel
		1.5	18	20	6	10			
		2.2	29	35	5.5	9			
		3.3	32	38	5	7			
		0.1	2	2.5	18	45			
		0.33	5.2	6.8	12	22			
PCMB061H-XXXMS	6.6×7.05×1.6	0.47	7.3	8.4	11	18			2,000 pcs/reel
		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			
PCMB062D-XXXMS	6.6×6.95×2.2	4.7	68	70	3.5	5			1,000 pcs/reel
		6.8	101	110	2.8	2.5			
		10.0	130	138	2.5	2.5			
		0.1	1.5	1.7	30	70			
		0.2	2.2	2.8	25	50			
		0.22	2.9	3.2	21	34			
PCMB063T-XXXMS	6.6×6.95×2.8	0.47	4.9	5.5	15	22			1,000 pcs/reel
		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			
PCMB064T-XXXMS	6.6×6.95×3.8	3.3	31	39	5.5	13			500 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			
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	9	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					
0.33	1.55	1.8	25	32					
0.36	1.8	2.1	23	32					
3.3	21	23	7	13					
4.7	19	21	8	9					
10	62	68	4	5.5					

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.