

NEW!

Power Chip Inductors - 1008PS Series

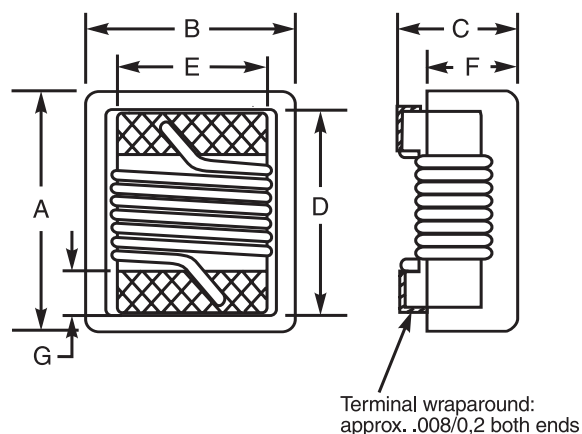


Coilcraft's new 1008PS Series is designed to be an economical alternative to larger and more costly shielded power inductors.

Only 2.6 mm high, they are ideal for applications requiring magnetic shielding, the smallest possible size and lowest cost. Typical uses include notebook computers, PC cards, wireless communication and handheld devices.

The specially designed ferrite cover provides magnetic shielding and the best possible surface for pick and place handling.

For free evaluation samples, contact Coilcraft or visit www.coilcraft.com.



A	B	C	D	E	F	G
0.15	0.15	0.10	0.10	0.08	0.07	0.02
3,7	3,7	2,6	2,5	2,0	1,7	0,5

Parts/reel: 13" 2500 Tape width: 12 mm
For packaging data see "Tape and Reel Specifications" (Document 173)

Part Number	Inductance (μH) $\pm 20\%$	DCR max (Ohms)	SRF typ (MHz)	Isat (A)	Irms (A)
1008PS-102	1.0	0.05	344	3.0	2.90
1008PS-152	1.5	0.06	260	2.8	2.55
1008PS-202	2.0	0.075	225	2.1	2.20
1008PS-352	3.5	0.126	185	1.3	1.95
1008PS-392	3.9	0.166	175	1.2	1.50
1008PS-472	4.7	0.30	160	1.0	1.30
1008PS-572	5.7	0.32	150	1.0	0.95
1008PS-103	10	0.8	105	0.775	0.75
1008PS-153	15	1.03	35	0.700	0.70
1008PS-223	22	1.22	26	0.65	0.60
1008PS-333	33	1.55	20	0.510	0.58
1008PS-473	47	2.2	19	0.400	0.48
1008PS-683	68	3.30	12	0.310	0.40
1008PS-823	82	3.7	9	0.300	0.35
1008PS-124	120	6.0	7.0	0.25	0.31
1008PS-154	150	6.4	5.8	0.215	0.28
1008PS-224	220	9.4	10	0.220	0.24
1008PS-334	330	10.6	3.8	0.200	0.22
1008PS-474	470	13.0	3.1	0.160	0.20
1008PS-564	560	16.7	2.8	0.130	0.18
1008PS-684	680	18.5	2.5	0.120	0.17
1008PS-824	820	24	1.5	0.100	0.16
1008PS-105	1000	29	2	0.100	0.14

1. Inductance measured at 100 kHz, 0.1 Vrms, using Coilcraft SMD-A fixture in Agilent 4263B impedance analyzer with Coilcraft-provided correlation pieces. For recommended test procedures, contact Coilcraft.
2. Q measured using HP16193 test fixture and on HP8753D with Coilcraft SMD-D test fixture.
3. SRF measured using HP8753D network analyzer and Coilcraft SMD-D test fixture.
4. DCR measured on Cambridge Technology micro-ohmmeter and Coilcraft CCF 840 test fixture.
5. Operating temperature range -40°C to $+125^{\circ}\text{C}$.
6. Electrical specifications at 25°C .

Coilcraft

Specifications subject to change without notice. Document 219 Revised 11/28/00

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