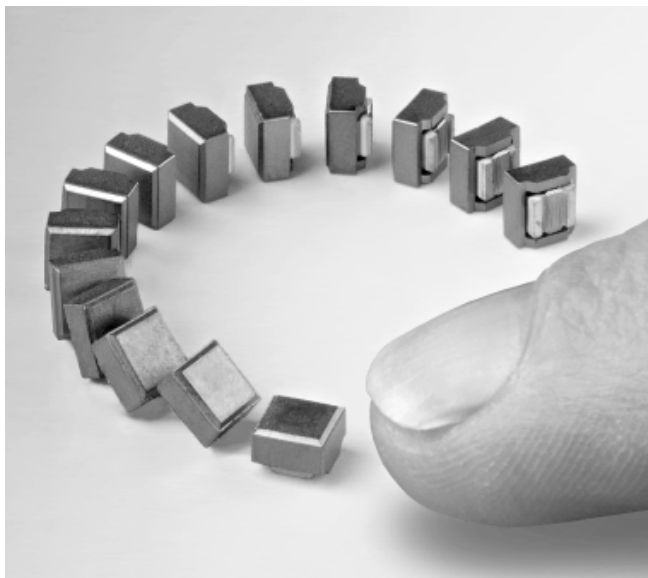


NEW!

1008PS Inductors for xDSL Filters

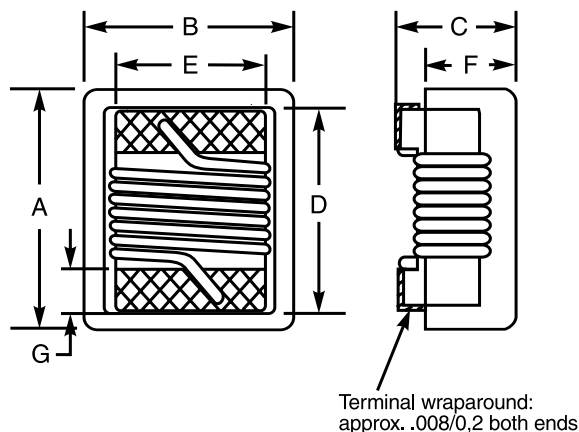


Coilcraft's new 1008PS Series is ideal for use in a variety of filters, including the data separation filters used in VDSL and ISDN/ADSL implementations.

They measure just 2.6 mm high and have very low DC resistance to reduce insertion loss. The specially designed ferrite cover provides magnetic shielding and the best possible surface for pick and place handling.

Coilcraft offers a library of reference designs for various xDSL filters using these and other surface mount components. We can also provide several complete low pass and band pass filter modules in space-saving SIP configurations.

Coilcraft **Designer's Kit C141** contains six samples each of the standard parts shown. To order, contact Coilcraft or visit <http://order.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: 7" 750; 13" 2500 Tape width: 12 mm
For packaging data see "Tape and Reel Specifications" (Document 173)

Part Number	L ±20% ¹ (µH)	Q min ² @ 1 MHz	DCR ³ max (Ohms)	SRF ⁴ typ (MHz)	Isat ⁵ (A)	Irms ⁶ (A)
1008PS-102MC	1.0	35	0.05	344	3.0	2.90
1008PS-152MC	1.5	35	0.06	260	2.8	2.55
1008PS-202MC	2.0	35	0.08	225	2.1	2.20
1008PS-272MC	2.7	38	0.12	185	1.3	1.95
1008PS-392MC	3.9	38	0.17	175	1.2	1.50
1008PS-472MC	4.7	38	0.30	160	1.0	1.30
1008PS-572MC	5.7	38	0.32	150	1.0	0.95
1008PS-682MC	6.8	38	0.45	120	0.84	0.85
1008PS-103MC	10	38	0.80	105	0.78	0.75
1008PS-153MC	15	38	1.03	35	0.70	0.70
1008PS-223MC	22	40	1.22	26	0.65	0.60
1008PS-333MC	33	45	1.55	20	0.51	0.58
1008PS-393MC	39	45	1.65	16	0.45	0.51
1008PS-473MC	47	45	2.2	19	0.40	0.48
1008PS-683MC	68	45	3.3	12	0.31	0.40
1008PS-823MC	82	45	3.7	9.0	0.30	0.35
1008PS-104MC	100	45	5.5	7.0	0.30	0.32
1008PS-124MC	120	50	6.0	7.0	0.25	0.31
1008PS-154MC	150	50	6.4	5.8	0.22	0.28
1008PS-224MC	220	55	9.4	10.0	0.22	0.24
1008PS-334MC	330	55	10.6	3.8	0.20	0.22
1008PS-474MC	470	55	13.0	3.1	0.16	0.20
1008PS-564MC	560	55	16.7	2.8	0.13	0.18
1008PS-684MC	680	55	18.5	2.5	0.12	0.17
1008PS-824MC	820	45	24	1.5	0.10	0.16
1008PS-105MC	1000	45	29	2.0	0.10	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 on HP4291 with HP16193 test fixture.
3. DCR measured on micro-ohmmeter and Coilcraft CCF 840 test fixture.
4. SRF measured using HP8753D network analyzer and Coilcraft SMD-D test fixture.
5. Inductance drop = 10% typ. at rated Isat.
6. ΔT = 40° C rise typ. at Iirms.
7. Operating temperature range -40° C to +125° C.
8. Electrical specifications at 25° C.

Coilcraft

Specifications subject to change without notice. Document 240 Revised 1/9/01

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