

SMT Power Inductors—DO3308 Series



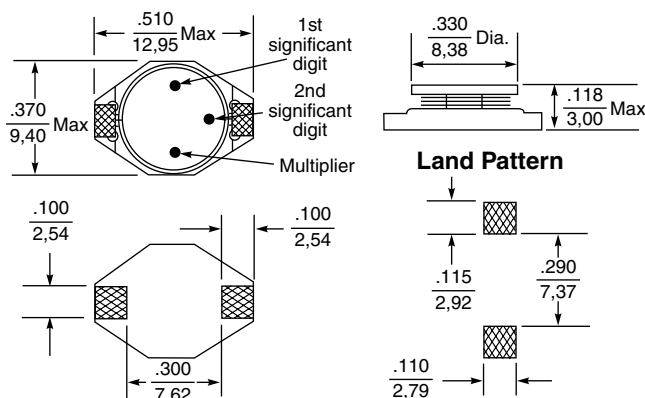
With a height of only .118" (3,0 mm), Coilcraft's new DO3308 Series of surface mount power inductors is ideal for PDA, palmtop and other handheld applications.

Available in 13 versions with inductance ratings from 10 to 1000 μ H, these parts will handle currents up to 2 Amps. They have a .370 \times .510 (9,4 \times 13,0) base and a flat top for reliable pick and place handling.

In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

Coilcraft **Designer's Kit C109** contains three samples each of the standard parts shown. To order, contact Coilcraft or visit <http://order.coilcraft.com>.

PSpice models SEE CATALOG, WEB SITE OR CD



Parts/reel: 13" 1000 Tape width: 24 mm
For packaging data see Tape and Reel Specifications section.

Part Num-ber	L \pm 20% ¹ (μ H)	DCR max. (Ω)	SRF typ (MHz)	Isat ² (A)	Irms ³ (A)
DO3308P-103	10	.11	35	2.4	2.0
DO3308P-153	15	.15	33	2.0	1.5
DO3308P-223	22	.23	25	1.6	1.3
DO3308P-333	33	.30	19	1.4	1.1
DO3308P-473	47	.39	14	1.0	.8
DO3308P-683	68	.66	12	.9	.7
DO3308P-104	100	.84	10	.7	.6
DO3308P-154	150	1.2	8	.6	.5
DO3308P-224	220	1.9	6	.5	.4
DO3308P-334	330	2.7	5	.4	.3
DO3308P-474	470	4.0	4	.3	.2
DO3308P-684	680	5.3	3	.2	.1
DO3308P-105	1000	8.4	2.5	.1	.05

For environmental data see Product Specifications section.

1. Inductance tested at 100 kHz, .1 Vrms
2. Inductance drop = 10% typ. at rated Isat.
3. $\Delta T = 30^\circ$ C rise typ. at I rms.
4. Operating temperature range -40° C to $+85^\circ$ C.
5. Electrical specifications at 25° C.

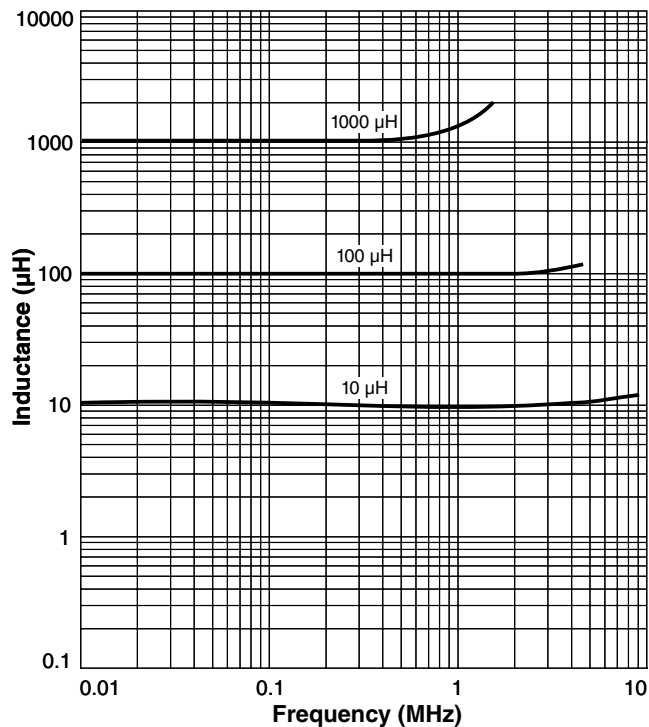
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Specifications subject to change without notice. Document 170-1 Revised 4/22/02

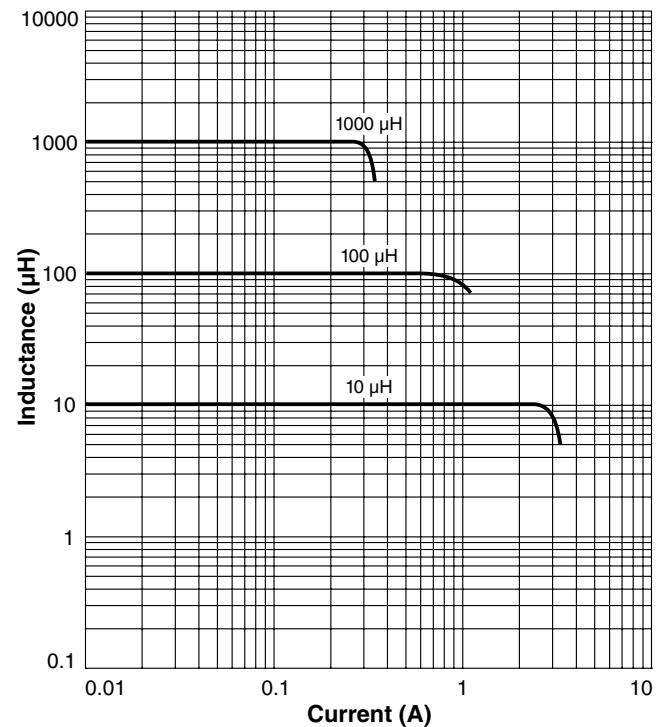
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SMT Power Inductors—DO3308 Series

Typical L vs Frequency



Typical L vs Current



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