



SMT Power Inductors – DO3340 Series



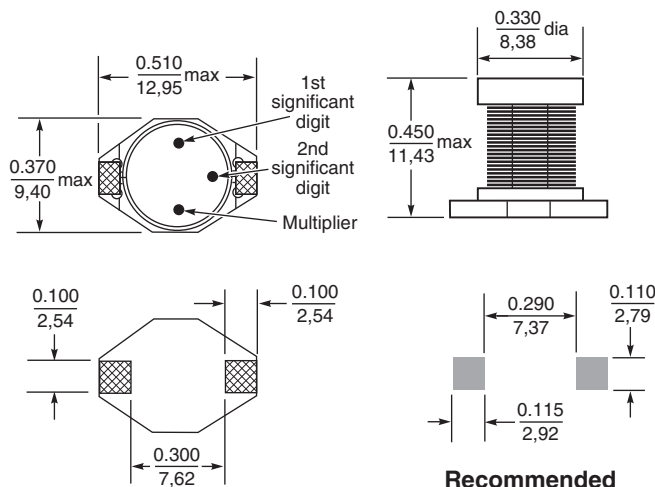
These surface mount power inductors provide excellent current carrying capabilities in a small footprint component — up to 3.5 Arms with an 8 Adc saturation current rating for a 10 μH part.

These parts were engineered from the start for reliable surface mounting. They have a flat top and robust temperature deflection to prevent damage during solder reflow.

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

Coilcraft **Designer's Kit C110** contains three samples each of the standard parts shown. To order, contact Coilcraft or visit <http://order.coilcraft.com>.

SPICE models ON OUR WEB SITE OR CD



**Recommended
Land Pattern**

Weight: 1.8 – 2.8 g
Terminations: Nickel/gold over phos bronze
Tape and reel: 225/13" reel 24 mm tape width
 For packaging data see Tape and Reel Specifications section.

Part number ¹	L $\pm 20\%^2$ (μH)	DCR max (Ohms)	SRF typ (MHz)	Isat ³ (A)	I _{rms} ⁴ (A)
DO3340P-103	10	0.040	22	8.0	3.5
DO3340P-153	15	0.050	18	7.0	3.0
DO3340P-223	22	0.066	11	5.5	2.5
DO3340P-333	33	0.080	9	4.0	2.0
DO3340P-473	47	0.110	8	3.8	1.6
DO3340P-683	68	0.17	7	3.0	1.2
DO3340P-104	100	0.22	5	2.5	1.2
DO3340P-154	150	0.34	4	2.0	0.9
DO3340P-224	220	0.44	3.5	1.6	0.7
DO3340P-334	330	0.70	2.5	1.2	0.6
DO3340P-474	470	0.95	2.0	1.0	0.3
DO3340P-684	680	1.2	2.0	1.0	0.2
DO3340P-105	1000	2.0	1.5	0.8	0.1

- Part number on reel label may have a B suffix to indicate that the reel is not machine ready.
 - Inductance tested at 100 kHz, 0.1 Vrms, 0 Adc.
 - DC current at which inductance drops 10% (typ) from its value without current.
 - Average current for a 40°C rise above 25°C ambient.
 - Operating temperature range -40°C to +85°C.
 - Electrical specifications at 25°C.
- See Qualification Standards section for environmental and test data.

Coilcraft[®]

Specifications subject to change without notice.

Please check our website for latest information. Document 171-1 Revised 12/10/04

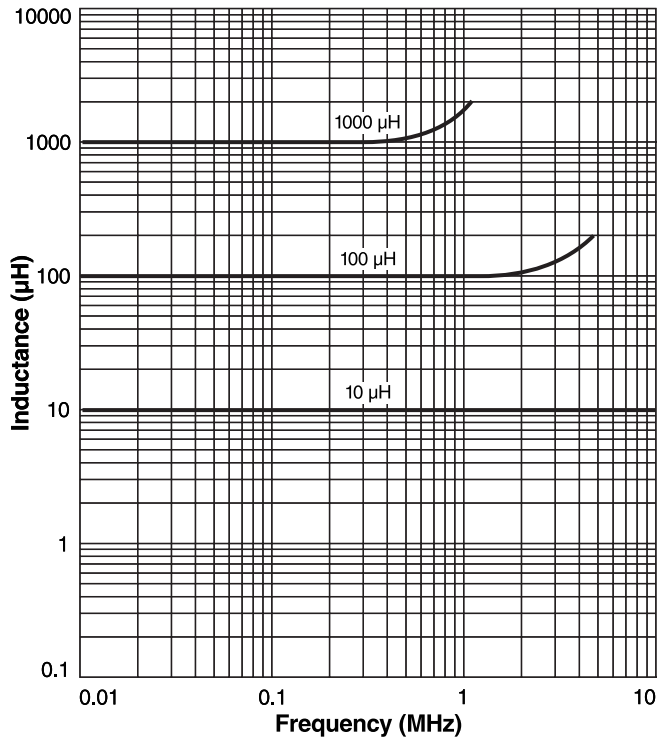
1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail info@coilcraft.com Web <http://www.coilcraft.com>

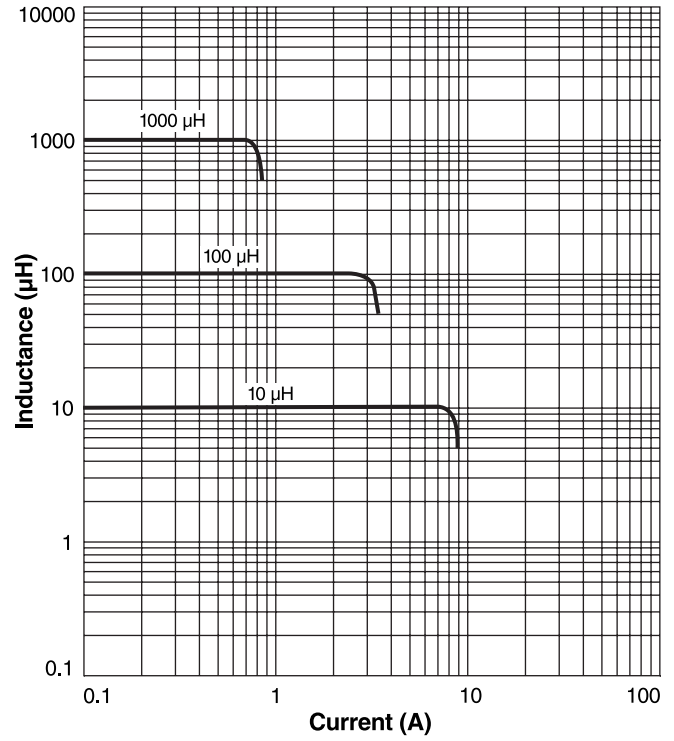


SMT Power Inductors – DO3340 Series

Typical L vs Frequency



Typical L vs Current



Specifications subject to change without notice.
 Please check our website for latest information. Document 171-2 Revised 10/31/03

1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469
 E-mail info@coilcraft.com Web <http://www.coilcraft.com>