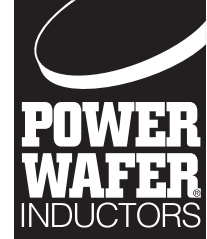




SMT Power Inductors - DO3314 Series



The DO3314 series is designed for applications requiring the smallest possible size in a low profile part. These inductors are ideal for use in notebook computers, PC cards, mobile phones, and handheld products.



With overall dimensions of only 3,3 × 3,3 mm, they require a minimum of pc board space. The specially designed cover completely protects the windings and provides the best possible surface for pick and place handling.

Coilcraft **Designer's Kit C158** contains samples of all values shown. To order, contact Coilcraft or purchase online at <http://order.coilcraft.com>.

Part number ¹	L ² ±20% (µH)	DCR ³ max (Ohms)	SRF ⁴ typ (MHz)	Isat ⁵ (A)	Irms ⁶ (A)
DO3314-102MX_	1.0	0.11	160	2.10	1.70
DO3314-152MX_	1.5	0.14	140	2.00	1.40
DO3314-222MX_	2.2	0.20	90	1.60	1.30
DO3314-332MX_	3.3	0.26	80	1.40	1.20
DO3314-472MX_	4.7	0.32	60	1.20	1.10
DO3314-682MX_	6.8	0.44	45	0.92	0.80
DO3314-103MX_	10.0	0.52	40	0.80	0.75
DO3314-153MX_	15.0	0.86	30	0.68	0.65
DO3314-223MX_	22.0	1.20	20	0.56	0.50
DO3314-333MX_	33.0	1.62	15	0.51	0.40

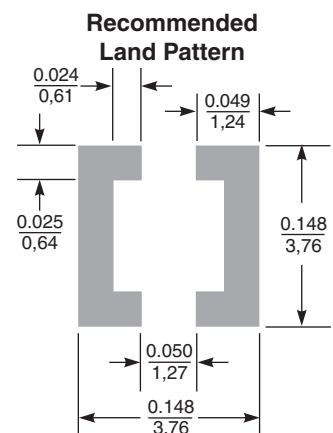
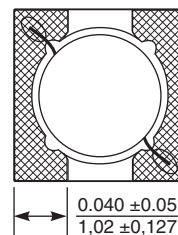
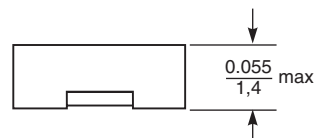
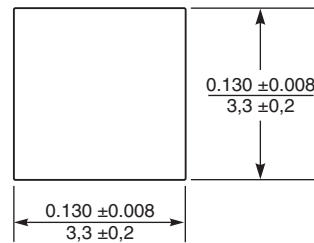
1. When ordering, please specify **packaging** code:

DO3314-333MX C

- Packaging:** **C** = 7" machine-ready reel. EIA-481 embossed plastic tape (1000 parts per full reel).
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter C instead.
D = 13" machine-ready reel. EIA-481 embossed plastic tape (3500 parts per full reel).

- Inductance tested at 100 kHz, 0.1 Vrms.
- DCR measured on a micro-ohmmeter.
- SRF measured using Agilent/HP 4191A or equivalent.
- DC current at which the inductance drops 10% (typ) from its value without current.
- Average current for a 40°C temperature rise from 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.



Weight: 45.9 – 50.2 mg

Tape and reel: 1000/7" reel; 3500/13" reel 8 mm tape width

For packaging data see Tape and Reel Specifications section.

Coilcraft®

Specifications subject to change without notice. Document 295-1 Revised 11/24/04

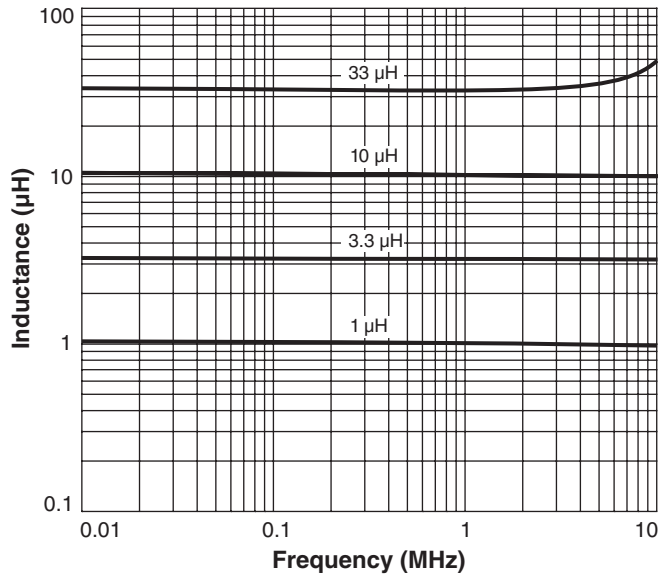
1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

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

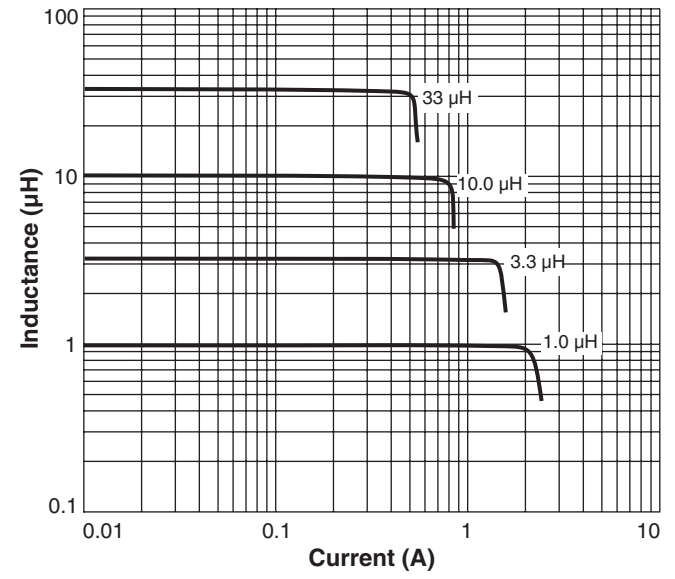


SMT Power Inductors - DO3314 Series

Typical L vs Frequency



Typical L vs Current



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