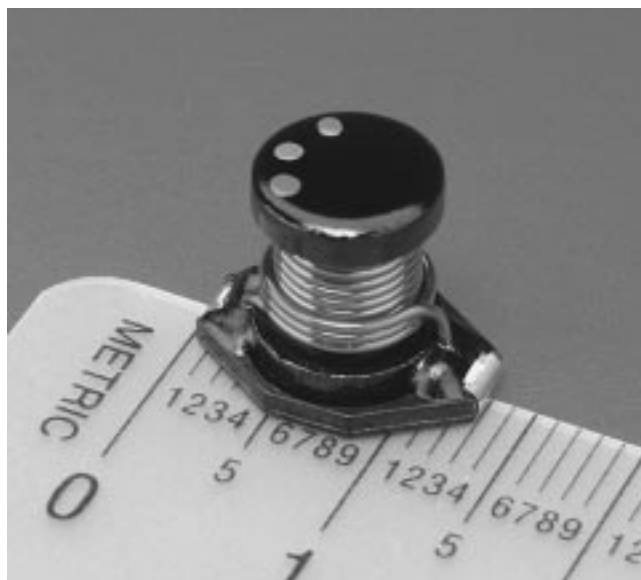


SMT Power Inductors – DO3340 Series



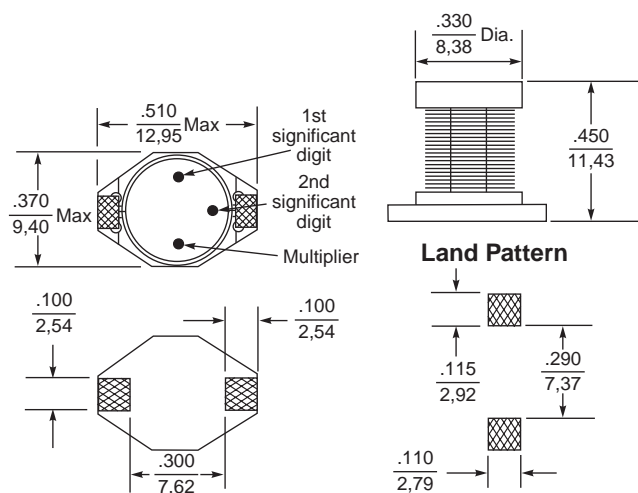
These surface mount power inductors provide excellent current carrying capabilities in a small footprint component—up to 3.5 Arms with an 8 Adc saturation current rating for a 10 μ H part.

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>.

PSPICE models SEE DOC 209



Parts/reel: 13" 225 Tape width: 24mm
For packaging data see "Tape and Reel Specifications" (Document 173).

Part Number	L \pm 20% (μ H)	DCR max. (Ω)	SRF typ (MHz)	Isat (A)	Irms (A)
DO3340P-103	10	.040	22	8.0	3.5
DO3340P-153	15	.050	18	7.0	3.0
DO3340P-223	22	.066	11	5.5	2.5
DO3340P-333	33	.080	9	4.0	2.0
DO3340P-473	47	.110	8	3.8	1.6
DO3340P-683	68	.17	7	3.0	1.2
DO3340P-104	100	.22	5	2.5	1.2
DO3340P-154	150	.34	4	2.0	.9
DO3340P-224	220	.44	3.5	1.6	.7
DO3340P-334	330	.70	2.5	1.2	.6
DO3340P-474	470	.95	2	1.0	.3
DO3340P-684	680	1.2	2	1.0	.2
DO3340P-105	1000	2.0	1.5	.8	.1

For environmental data see "Product Specifications" (Document 164).

1. Inductance tested at 100 kHz, .1 Vrms
2. L drop 10% typ. at Isat.
3. $\Delta T = 20^\circ\text{C}$ typ. at Irms
4. Operating temperature range -40°C to $+85^\circ\text{C}$.
5. Electrical specifications at 25°C .

Coilcraft

Specifications subject to change without notice. Document 171 Revised 5/19/99

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