

**NEW!**

# SMT Power Inductors - LPT1606 Series

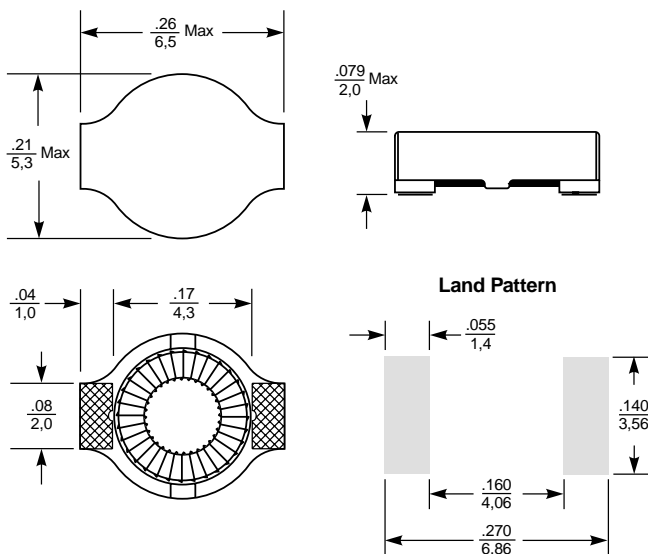


The LPT1606 Power Wafer™ is our smallest self-shielded power inductor. Its toroid construction minimizes stray noise while its 2 mm height and tiny footprint free up board space.

These parts are ideal for PC cards, notebook computers, wireless communication devices and handheld products. The 1  $\mu\text{H}$  part has a saturation current rating of 3 Amps, remarkable for an inductor this size. The flat top ceramic case is ideal for pick and place handling.

Coilcraft **Designer's Kit C137** contains samples of all standard values. Contact Coilcraft to order or purchase on-line at <http://order.coilcraft.com>.

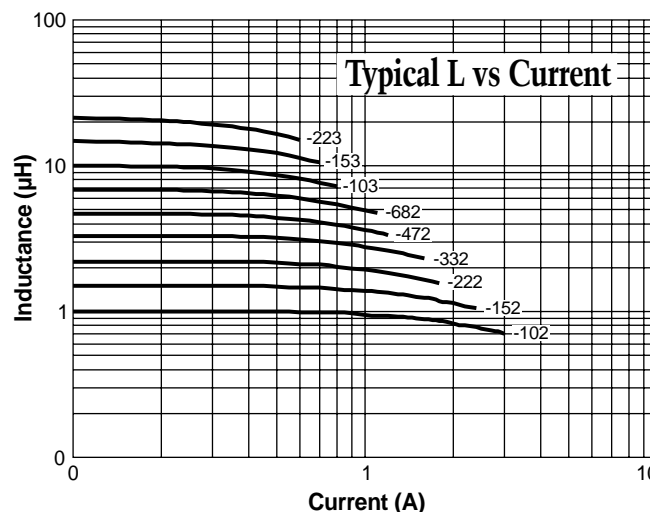
Part number	L $\pm 20\%$ <sup>1</sup> ( $\mu\text{H}$ )	DCR max (Ohms)	SRF typ (MHz)	I sat <sup>2</sup> (A)	I rms <sup>3</sup> (A)
LPT1606-102	1.0	.11	840	3.0	2.0
LPT1606-152	1.5	.12	505	2.4	1.8
LPT1606-222	2.2	.16	360	1.8	1.6
LPT1606-332	3.3	.19	230	1.6	1.5
LPT1606-472	4.7	.22	165	1.2	1.5
LPT1606-682	6.8	.33	130	1.1	1.3
LPT1606-103	10	.44	80	0.8	1.1
LPT1606-153	15	.70	60	0.7	.9
LPT1606-223	22	.80	25	0.6	.8



Parts/reel: 7" 1,000; 13" 3,500 Tape width: 12 mm  
For packaging data see "Tape and Reel Specifications" section (Doc. 173)

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

1. Tested @ 100 kHz, 0.1 Vrms.
2. Inductance drop = 30% typ. at rated Isat.
3.  $\Delta T = 40^\circ\text{C}$  rise typ. at Irms.
4. Operating temperature range  $-40^\circ\text{C}$  to  $+85^\circ\text{C}$ .
5. Electrical specifications at  $25^\circ\text{C}$ .



PSPICE models SEE DOC 209

## Coilcraft

Specifications subject to change without notice. Document 214 Revised 5/28/99

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