



SMT Power Inductors - LPT1606 Series

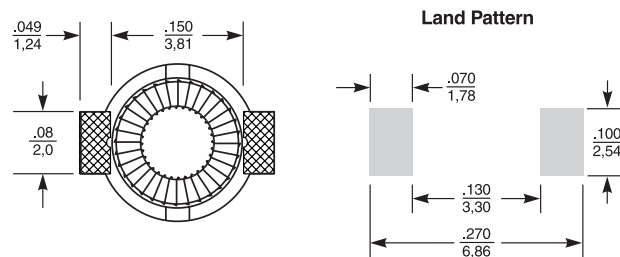
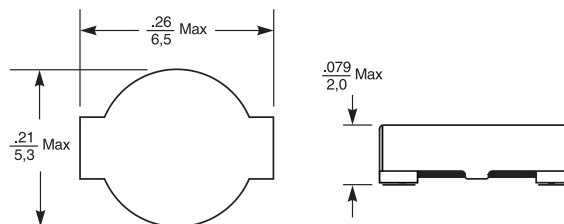


This product has been discontinued as of September 1, 2000

A recommended alternative is the DO1606 Series. Existing customers will be supported. For more information, please contact Coilcraft.

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

The 1 μH part has a saturation current rating of 3 A, remarkable for an inductor this size.



Terminations: Silver-palladium-platinum

Tape and reel: 750/7" reel; 2500/13" reel 8 mm tape width

Part number ¹	L $\pm 20\%$ ² (μH)	DCR max (Ohms)	SRF typ (MHz)	Isat ³ (A)	Irms ⁴ (A)
LPT1606-102ML_	1.0	0.11	840	3.0	2.0
LPT1606-152ML_	1.5	0.13	505	2.4	1.8
LPT1606-222ML_	2.2	0.16	360	1.8	1.6
LPT1606-332ML_	3.3	0.195	230	1.6	1.5
LPT1606-472ML_	4.7	0.24	165	1.2	1.5
LPT1606-682ML_	6.8	0.345	130	1.1	1.3
LPT1606-103ML_	10	0.44	80	0.8	1.1
LPT1606-153ML_	15	0.65	60	0.7	.9
LPT1606-223ML_	22	0.83	25	0.6	.8

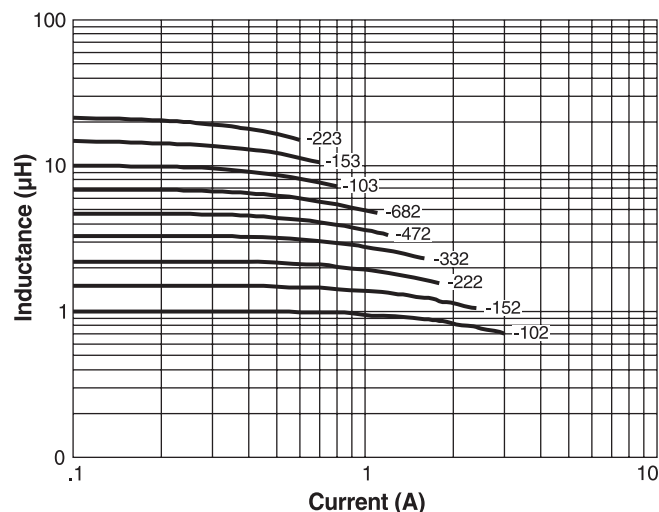
1. When ordering, please specify **packaging** code:

LPT1606MLC

- Packaging:**
- C** = 7" machine-ready reel. EIA-481 embossed plastic tape (2000 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 (7500 parts per full reel).

2. Inductance tested at 100 kHz, 0.1 Vrms.
 3. DC current at which the inductance drops 30% (typ) from its value without current.
 4. Average current for a 40°C temperature rise from 25°C ambient.
 5. Operating and storage temperature range -40°C to +85°C.
 6. Electrical specifications at 25°C.
- See Qualification Standards section for environmental and test data.

Typical L vs Current



Coilcraft®

Specifications subject to change without notice.
Please check our website for latest information.

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