

**NEW!**

SMT Power Inductors - LPO4815 Series



LPO4815 power inductors share the same footprint as our LPO4812 series (4,6 x 4,8 mm), but their 0,3 mm extra height allows them to handle up to 35% more current. A rugged ceramic case completely protects the winding and provides an ideal surface for pick and place handling.



The small footprint and high efficiency of the LPO4815 make this series well suited for battery powered equipment like cameras, phones, PDAs and other handheld devices.

Coilcraft **Designer's Kit C176** contains samples of all values shown. To order, contact Coilcraft or purchase on-line at <http://order.coilcraft.com>.

SPICE models ON OUR WEB SITE OR CD

Part number ¹	L ² (μ H)	DCR ³ max (Ohms)	SRF ⁴ typ (MHz)	Isat ⁵ (A)	Irms ⁶ (A)
LPO4815-102MX_	1.0 \pm 20%	0.036	230	1.6	1.9
LPO4815-152MX_	1.5 \pm 20%	0.085	200	1.5	1.7
LPO4815-222MX_	2.2 \pm 20%	0.088	150	1.1	1.5
LPO4815-332MX_	3.3 \pm 20%	0.12	115	0.90	1.3
LPO4815-392MX_	3.9 \pm 20%	0.13	105	0.86	1.2
LPO4815-472MX_	4.7 \pm 20%	0.15	95	0.77	1.1
LPO4815-682MX_	6.8 \pm 20%	0.18	72	0.65	1.0
LPO4815-103KX_	10.0 \pm 10%	0.23	60	0.50	0.85
LPO4815-123KX_	12.0 \pm 10%	0.31	50	0.45	0.80
LPO4815-153KX_	15.0 \pm 10%	0.36	45	0.42	0.75
LPO4815-223KX_	22.0 \pm 10%	0.46	35	0.37	0.70
LPO4815-333KX_	33.0 \pm 10%	0.71	30	0.28	0.65
LPO4815-393KX_	39.0 \pm 10%	0.83	25	0.26	0.60
LPO4815-473KX_	47.0 \pm 10%	1.20	25	0.22	0.55
LPO4815-683KX_	68.0 \pm 10%	1.40	20	0.20	0.45
LPO4815-104KX_	100.0 \pm 10%	2.15	15	0.15	0.36
LPO4815-154KX_	150.0 \pm 10%	3.15	12	0.13	0.30
LPO4815-224KX_	220.0 \pm 10%	4.30	10	0.11	0.27

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

LPO4815-224KX 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).

2. Inductance tested at 100 kHz, 0.1 Vrms.

3. DCR measured on a micro-ohmmeter.

4. SRF measured using Agilent/HP 4191A or equivalent.

5. DC current at which the inductance drops 10% (typ) from its value without current.

6. Average current for a 40°C temperature rise from 25°C ambient.

7. Operating and storage temperature range -40°C to +85°C.

8. 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.

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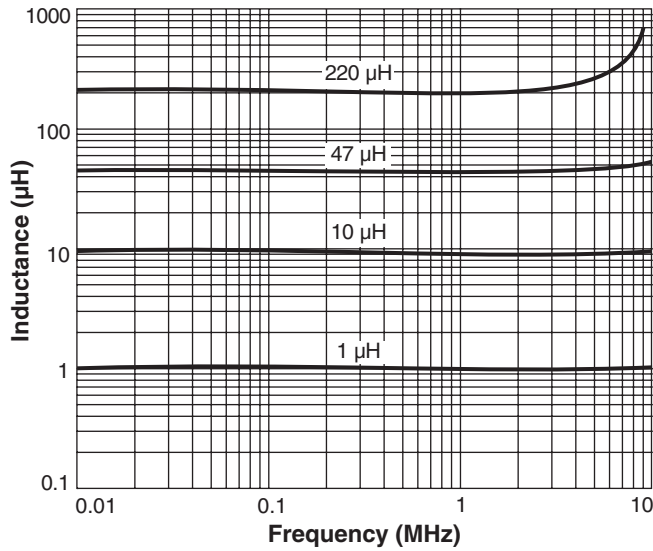
E-mail info@coilcraft.com Web <http://www.coilcraft.com>



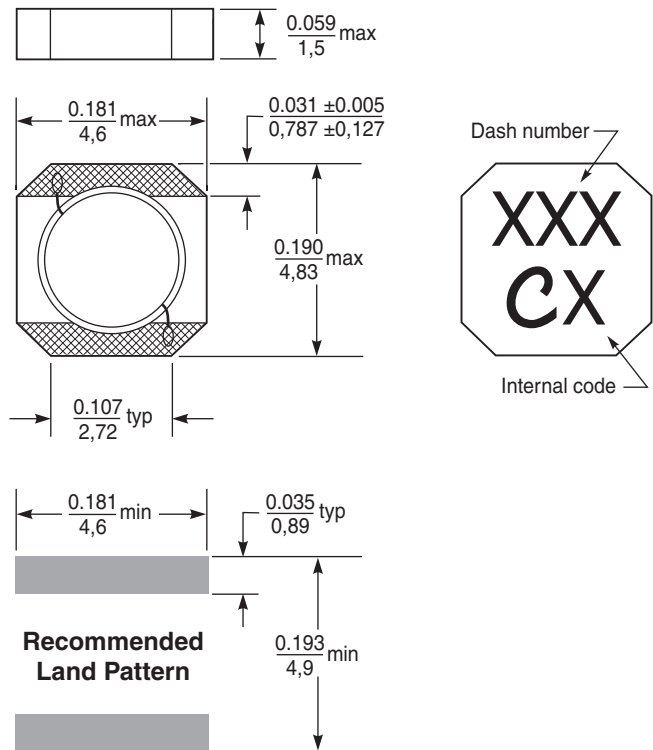
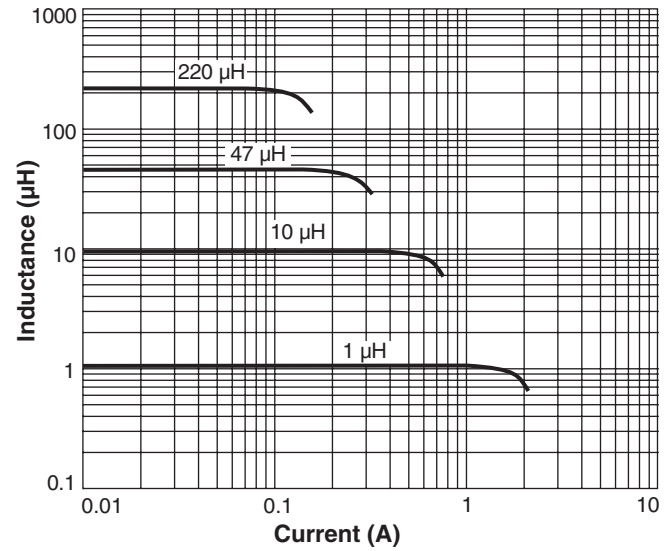
NEW!

SMT Power Inductors - LPO4815 Series

Typical L vs Frequency



Typical L vs Current



Terminations: Platinum/palladium/silver
Tape and reel: 1000/7" reel; 3500/13" reel 12 mm tape width
 For packaging data see Tape and Reel Specifications section.



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