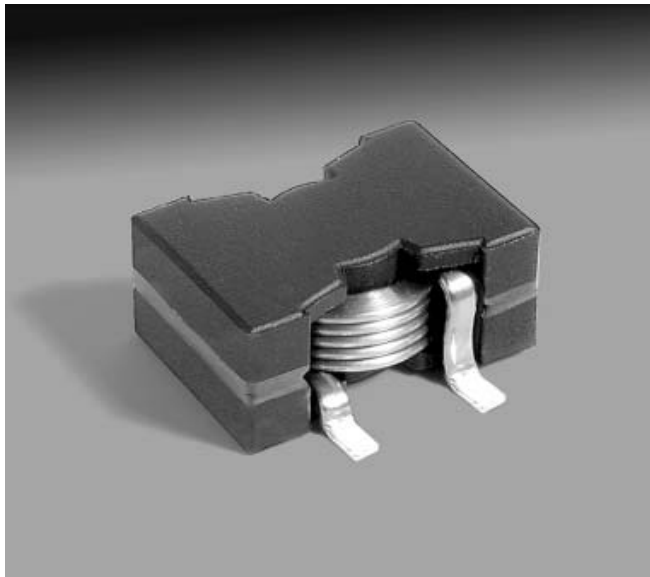


Flat Wire Power Inductor

For Maxim
MAX5051 Controller IC



Designed specifically for Maxim's MAX5051 Power Supply Controller, the A9860-B offers unmatched electrical performance in an extremely robust, space saving package.

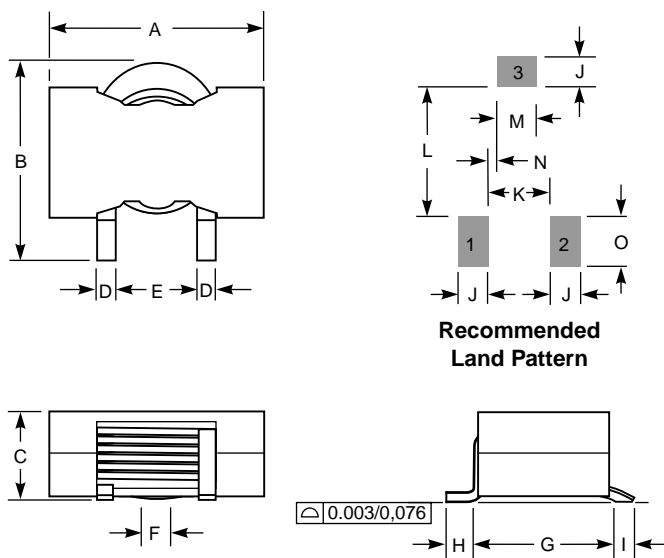
With its flat wire windings, this inductor has extremely low DC resistance and offers very high saturation current ratings. The flat core provides exceptional heat dissipation.

To request evaluation samples, contact Coilcraft or visit www.coilcraft.com.

Part number	L @ 0 A ¹ ±20% (μH)	L @ 15.0 A ¹ ±20% (μH)	DCR max (mOhm)	SRF typ ² (MHz)	Isat ³ (A)	I _{rms} ⁴ (A)
A9860-B	2.70	2.70	3.0	63.0	20.0	15.0

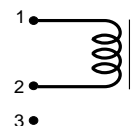
- Inductance measured at 100 kHz, 0.1 V_{rms}, 0 A_{dc} using a Coilcraft SMD-D fixture in an Agilent/HP 4284A impedance analyzer.
- SRF measured using an Agilent/HP 8753D network analyzer and a Coilcraft SMD-D test fixture.
- DC current at which the inductance drops 10% (typ) from its value without current.

- Average current for a 45°C rise above 25°C ambient.
 - Electrical specifications at 25°C.
- See Qualification Standards section for environmental and test data.



A max	B max	C max	D	E	F	G
0.91	0.85	0.39	0.08	0.30	0.10	0.57
23,0	21,5	10,0	2,0	7,5	2,5	14,5

H	I	J	K	L	M	N	O
0.098	0.08	0.129	0.25	0.486	0.168	0.039	0.216
2,5	2,0	3,27	6,23	12,35	4,27	0,98	5,48



Terminal 3 is for mounting stability only.
Do not connect to ground or other circuits.

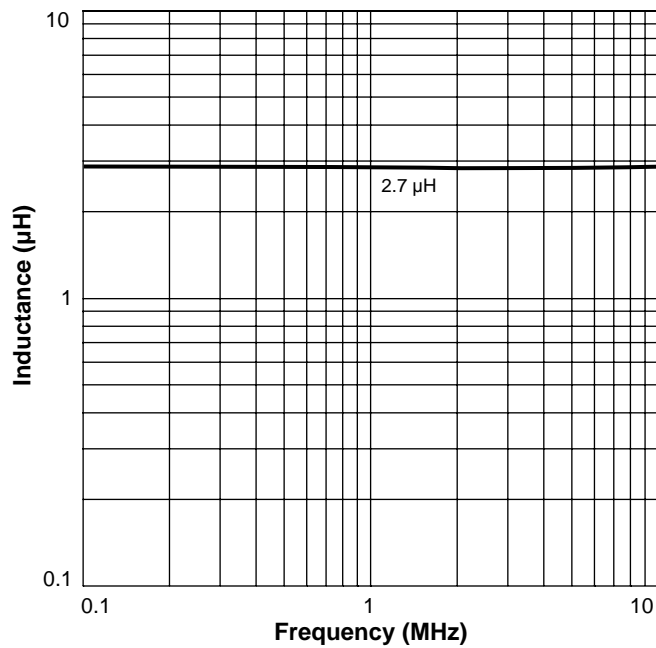
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Specifications subject to change without notice. Document 313-1 Revised 09/19/03

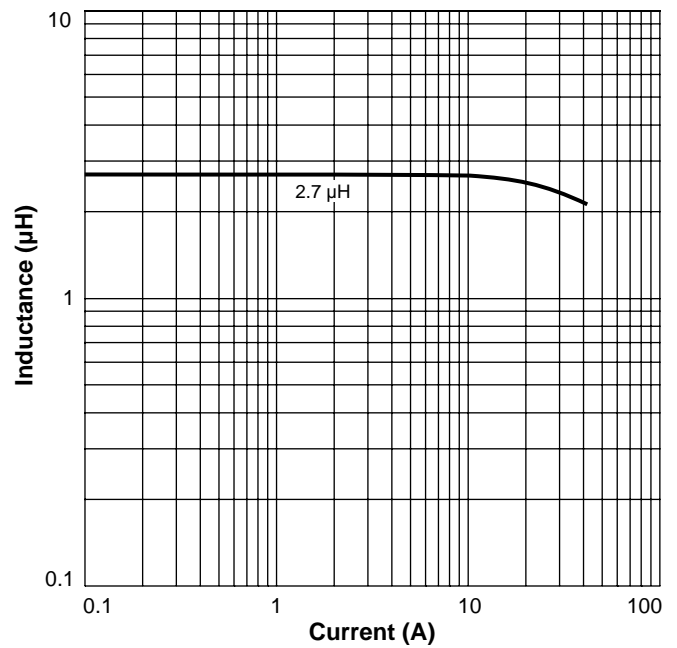
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Flat Wire Power Inductor for Maxim MAX5051

Typical L vs Frequency



Typical L vs Current



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