Hi-Current Power Inductor FLIHP 0630

■ Features:

- Lowest DCR / uH, in this package size
- Handles high thansient current spikes without saturation
- Ultra low noise, due to composite construction

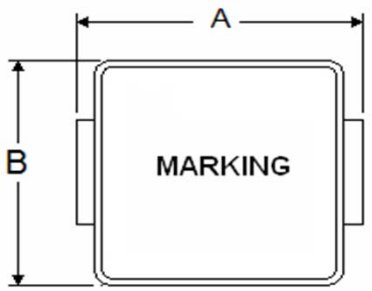
■ Applications:

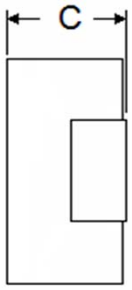
- Notebook/Desktop/Server applications
- Low proflis, high current power supplies
- DC/DC converter for Field programmable gate Array

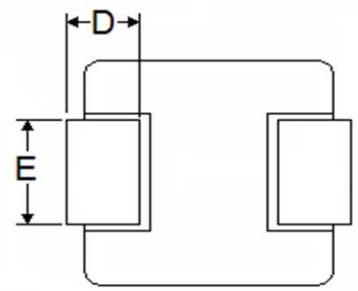
■ Parts code:

FLIHP 0630	1R0	M
Type	Inductance code	Tolerance: M : ± 20% N : ± 30%

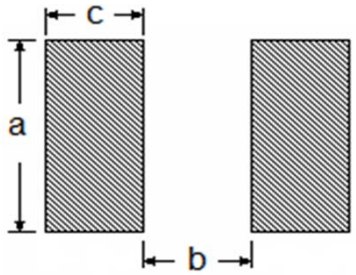
■ Outline Dimension:





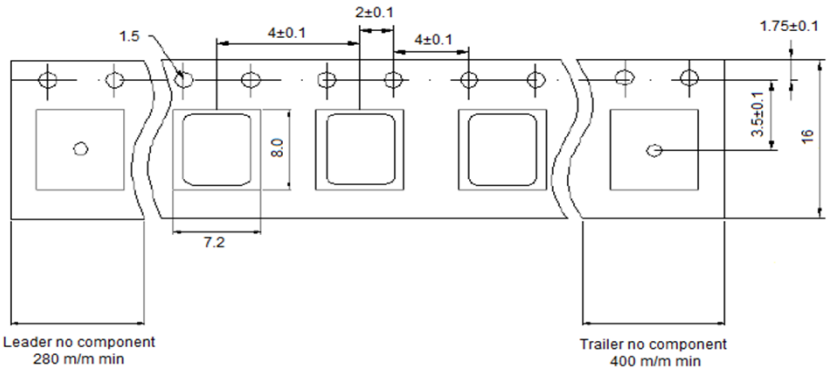


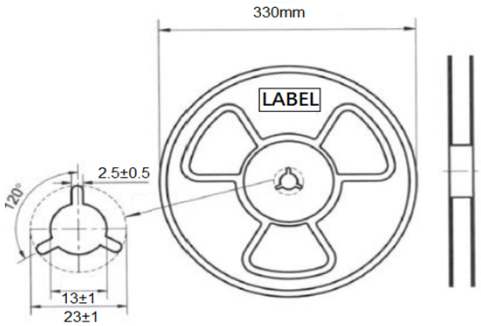
■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
FLIHP 0630	7.4max	6.6±0.2	3.0 max	1.6±0.3	3.0±0.2	3.1Typ	3.8 Typ	1.7 Typ





■ Package: Q'TY / Reel
FLIHP-0630--1.5K/pcs

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email: sale@flic.com.tw

Hi-Current Power Inductor FLIHP 0630

7.4X6.6X3.0

■ Specifications

FLIHP 0630				
Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	(uH)	Max	Isat (A) Typ.	Irms (A) Typ.
FLIHP 0630- R10M	0.1	1.7	60.00	32.50
FLIHP 0630- R15M	0.15	2.5	60.00	30.00
FLIHP 0630- R22M	0.22	3.0	34.00	23.00
FLIHP 0630- R25M	0.25	3.0	34.00	23.00
FLIHP 0630- R33M	0.33	3.5	25.00	21.00
FLIHP 0630- R36M	0.36	3.9	24.00	20.00
FLIHP 0630- R47M	0.47	4.1	20.00	18.00
FLIHP 0630- R56M	0.56	4.5	18.00	16.50
FLIHP 0630- R68M	0.68	5.3	17.00	16.00
FLIHP 0630- R82M	0.82	6.0	16.00	14.00
FLIHP 0630- 1R0M	1.0	7.5	15.00	12.00
FLIHP 0630- 1R2M	1.2	10.0	14.00	10.00
FLIHP 0630- 1R5M	1.5	12.1	12.50	9.00
FLIHP 0630- 1R8M	1.8	16.0	11.00	7.50
FLIHP 0630- 2R2M	2.2	17.5	10.00	8.00
FLIHP 0630- 3R3M	3.3	26.0	9.50	6.00
FLIHP 0630- 4R7M	4.7	38.0	6.50	5.00
FLIHP 0630- 6R8M	6.8	50.0	6.00	4.50
FLIHP 0630- 8R2M	8.2	65.0	6.00	4.00
FLIHP 0630- 100M	10	68.0	5.00	4.00
FLIHP 0630- 150M	15	115.0	3.80	2.60
FLIHP 0630- 220M	22	189.0	3.10	2.30
FLIHP 0630- 330M	33	270.0	2.50	2.00
FLIHP 0630- 470M	47	350.0	2.00	1.70

■ Notes: Tolerance: M (± 20%)), N (± 30%)

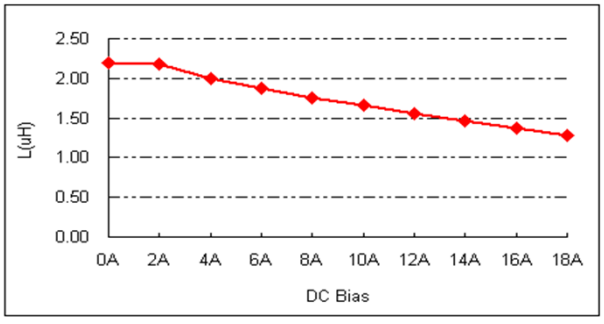
■ Test Ferquency: 100 KHz / 1V

- Isat: Based on Inductance decrease 30%
- Irms: Based on Temperature increase 40℃
- Operating temperature range: -40℃ ~ +125℃
- Storage Temp: -40℃ ~ +125℃

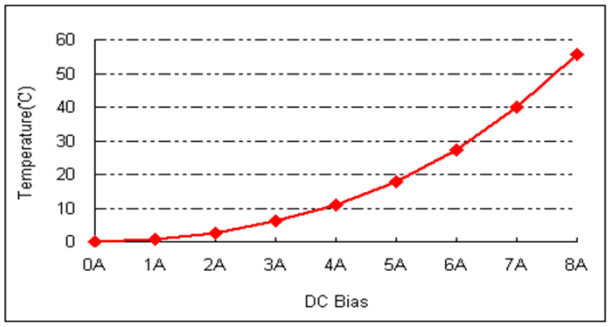
■ TYPICAL ELECTRICAL CHARACTERISTICS:

■ Inductance vs. DC Current Characteristics

FLIHP0630-2.2uH/M



■ Temperature vs. DC Current Characteristics



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