



■ Features:

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

■ Applications:

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

■ Parts code:

FLIHP 0520

Type

1R0

Inductance code

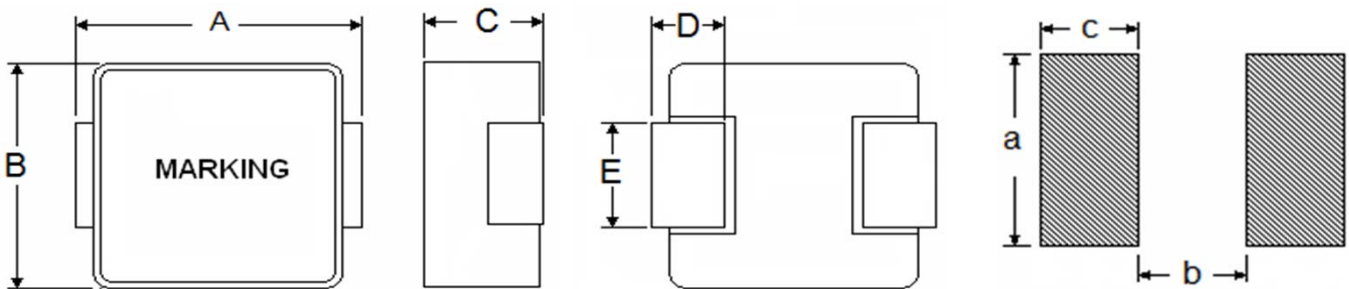
M

Tolerance: M : ± 20%

N : ± 30%

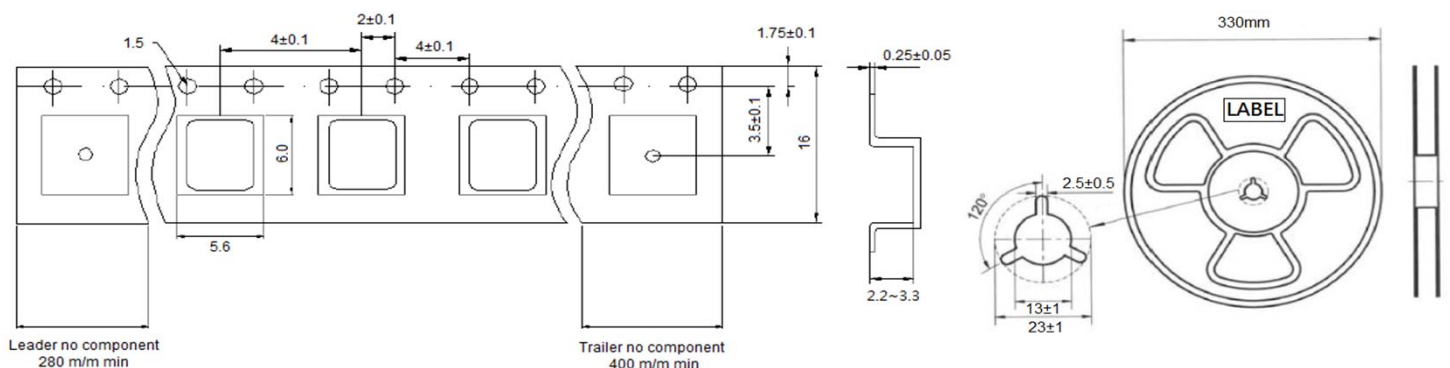
■ Outline Dimension:

■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
FLIHP 0520	5.7±0.25	5.1±0.35	2.0 max	1.3±0.3	2.3±0.3	2.4 Typ	2.8 Typ	1.4 Typ
FLIHP 0530	5.7±0.25	5.1±0.35	3.0 max	1.3±0.3	2.3±0.3	2.4 Typ	2.8 Typ	1.4 Typ



■ Package: Q'TY / Reel

FLIHP-0520--2K/pcs

FLIHP-0530--1.5K/pcs

Hi-Current Power Inductor FLIHP 0520



5.7X5.1X2.0

Specifications

FLIHP 0520				
Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	(uH)	Max	Isat (A) Typ.	Irms (A) Typ.
FLIHP 0520- 1R0M	1.0	20.0	9.00	6.00
FLIHP 0520- 1R5M	1.5	35.0	6.50	5.50
FLIHP 0520- 2R2M	2.2	45.0	6.00	4.00
FLIHP 0520- 3R3M	3.3	80.0	5.00	3.50
FLIHP 0520- 4R7M	4.7	95.0	4.00	3.00
FLIHP 0520- 6R8M	6.8	130.0	3.50	2.80
FLIHP 0520- 100M	10	180.0	2.80	2.30

Test Ferquency: 100 KHz / 1V

Hi-Current Power Inductor FLIHP 0530



5.7X5.1X3.0

Specifications

FLIHP 0530				
Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	(uH)	Max	Isat (A) Typ.	Irms (A) Typ.
FLIHP 0530- R47M	0.47	7.5	14.00	10.00
FLIHP 0530- R68M	0.68	12	14.00	8.00
FLIHP 0530- R75M	0.68	13	12.00	7.50
FLIHP 0530- 1R0M	1.0	15	11.00	7.00
FLIHP 0530- 1R2M	1.0	15	11.00	6.50
FLIHP 0530- 1R5M	1.5	25	10.00	6.00
FLIHP 0530- 2R2M	2.2	35	8.00	5.50
FLIHP 0530- 3R3M	3.3	46	6.50	4.50
FLIHP 0530- 4R7M	4.7	60	5.50	4.00
FLIHP 0530- 6R8M	6.8	86	5.00	3.50
FLIHP 0530- 8R2M	8.2	105	4.00	3.25
FLIHP 0530- 100M	10	126	3.50	2.50
FLIHP 0530- 150M	15	165	2.20	1.80

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

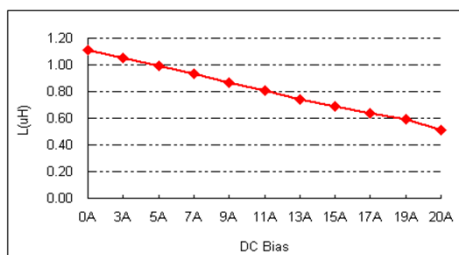
Test Ferquency: 100 KHz / 1V

- Isat: Based on Inductance decrease 30%
- Irms: Based on Temperature increase 40°C

- Operating temperature range: -40°C ~ +125°C
- Storage Temp: -40°C ~ +125°C

TYPICAL ELECTRICAL CHARACTERISTICS:

Inductance vs. DC Current Characteristics
FLIHP0530-1.0uH/M



Temperature vs. DC Current Characteristics

