



■ Features:

- Lowest DCR / μH , 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 0420

Type

1R0

Inductance code

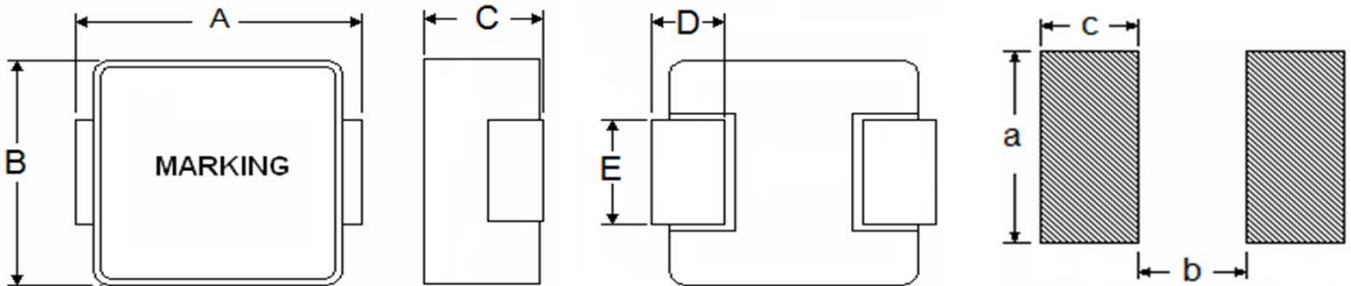
M

Tolerance: M : $\pm 20\%$

N : $\pm 30\%$

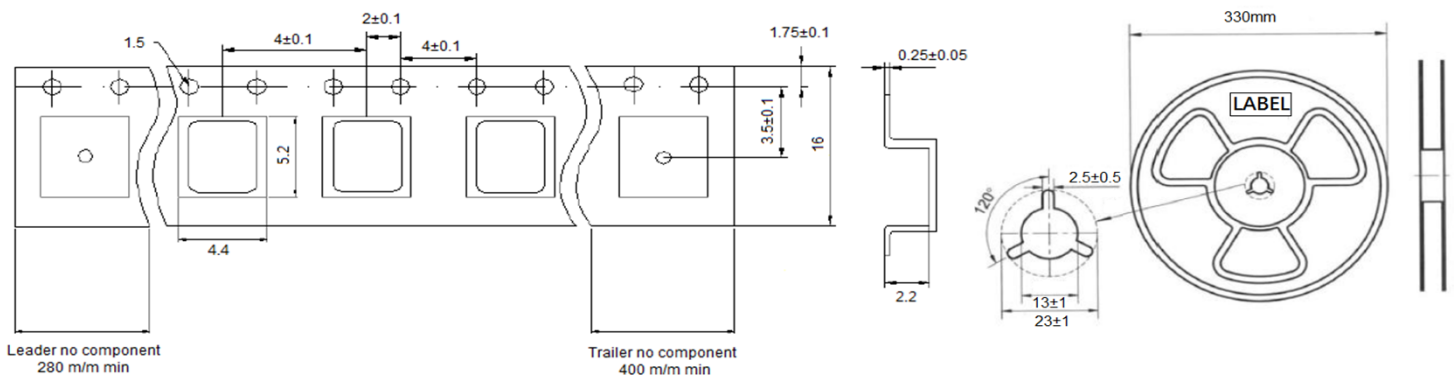
■ Outline Dimension:

■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
FLIHP 0420	4.6 \pm 0.25	4.1 \pm 0.35	2.0 max	0.76 \pm 0.3	1.5 \pm 0.3	1.7 Typ	1.9 Typ	0.85 Typ



■ Package: Q'TY / Reel
FLIHP-0420--3K/pcs

Hi-Current Power Inductor FLIHP 0420



4.6X4.1X2.0

■ Specifications

FLIHP 0420				
Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	(uH)	Max	Isat (A) Typ.	Irms (A) Typ.
FLIHP 0420- R10M	0.1	4.0	25.00	12.00
FLIHP 0420- R22M	0.22	6.6	12.50	9.00
FLIHP 0420- R47M	0.47	14	10.00	7.00
FLIHP 0420- R56M	0.56	16	8.00	6.50
FLIHP 0420- R68M	0.68	18	8.00	5.20
FLIHP 0420- 1R0M	1.0	27	7.00	4.50
FLIHP 0420- 1R5M	1.5	46	6.00	4.00
FLIHP 0420- 2R2M	2.2	58	5.00	3.00
FLIHP 0420- 3R3M	3.3	87	4.00	2.50
FLIHP 0420- 4R7M	4.7	126	3.00	2.20
FLIHP 0420- 6R8M	6.8	178	2.50	2.00
FLIHP 0420- 8R2M	8.2	216	2.20	1.80
FLIHP 0420- 100M	10	294	2.00	1.20

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

■ Test Ferquency: 100 KHz / 1V

Isat: Based on Inductance decrease 30%

Irms: Based on Temperature increase 40°C

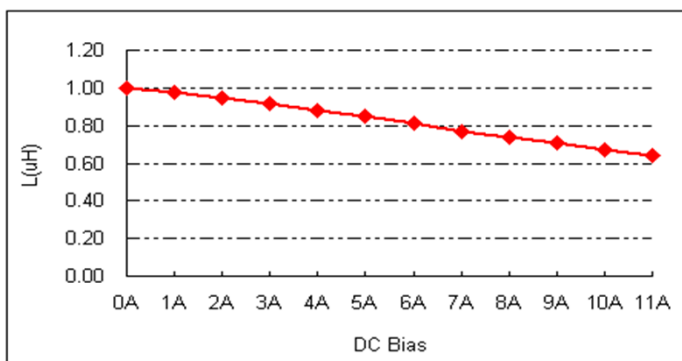
Operating temperature range: -40°C ~ +125°C

Storage Temp: -40°C ~ +125°C

■ TYPICAL ELECTRICAL CHARACTERISTICS:

■ Inductance vs. DC Current Characteristics

FLIHP0420-1.0uH/M



■ Temperature vs. DC Current Characteristics

