



■ 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 0320**

Type

**1R0**

Inductance code

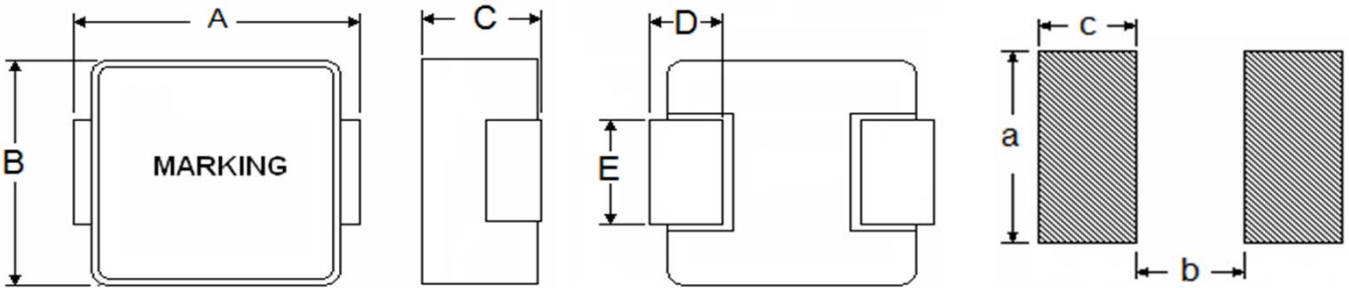
**M**

Tolerance: M : ± 20%

N : ± 30%

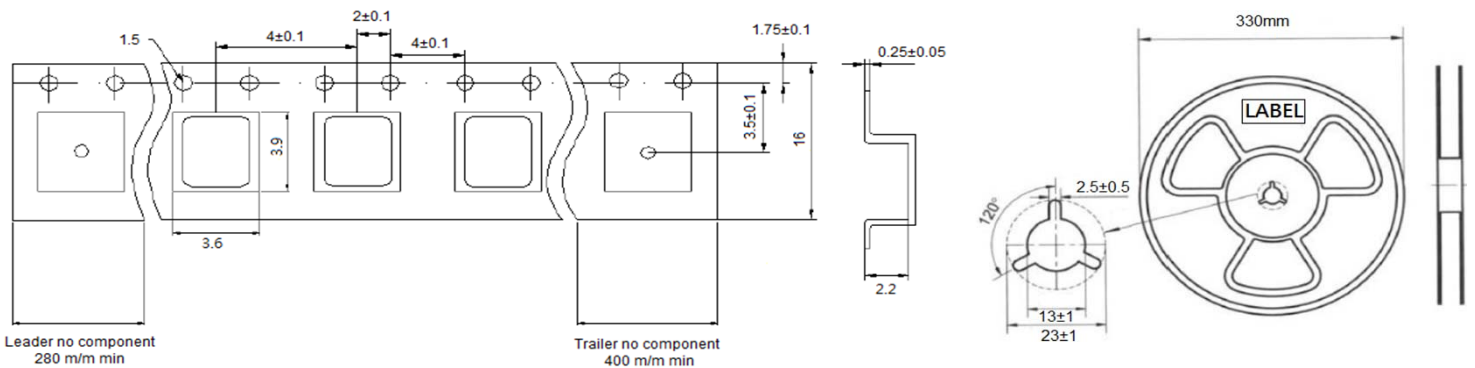
■ Outline Dimension:

■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
FLIHP 0320	3.5±0.2	3.2±0.2	2.0 max	0.7±0.2	1.2±0.2	1.4 Typ	1.9 Typ	0.8 Typ



■ Package: Q'TY / Reel  
FLIHP-0320--3K/pcs

# Hi-Current Power Inductor FLIHP 0320



3.5X3.2X2.0

## ■ Specifications

FLIHP 0320				
Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	( μH )	Max	Isat (A) Typ.	Irms (A) Typ.
FLIHP 0320- R47M	0.47	23	9.00	7.00
FLIHP 0320- R68M	0.68	29	7.00	5.50
FLIHP 0320- 1R0M	1.0	38	5.00	4.00
FLIHP 0320- 2R2M	2.2	75	3.70	3.50
FLIHP 0320- 3R3M	3.3	145	3.50	3.00
FLIHP 0320- 4R7M	4.7	200	3.00	2.60
FLIHP 0320- 6R8M	6.8	300	2.20	1.90
FLIHP 0320- 100M	10	422	1.60	1.40

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

■ Test Ferquency: 1 MHz / 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