



■ 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 1770**

Type

**1R0**

Inductance code

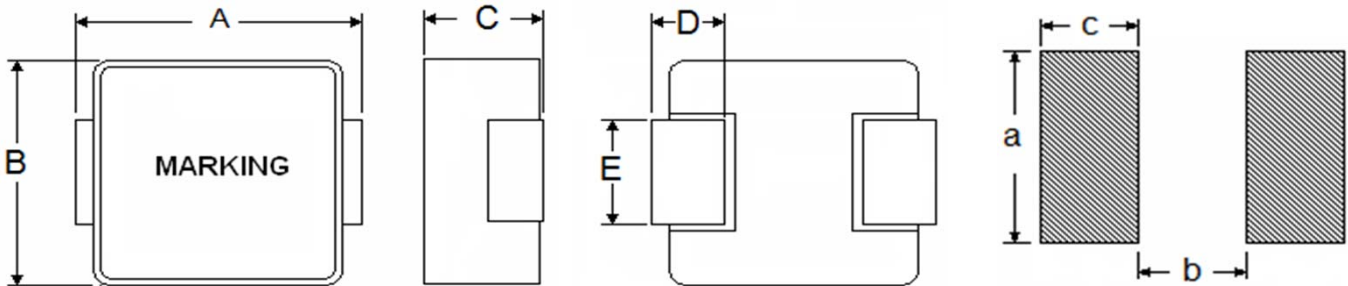
**M**

Tolerance: M : ± 20%

N : ± 30%

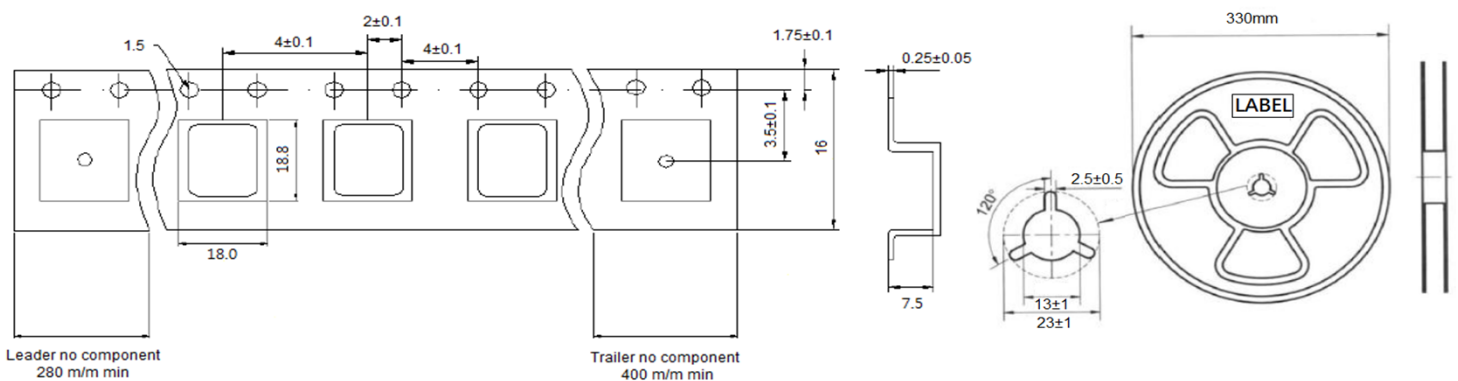
■ Outline Dimension:

■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
FLIHP 1770	18.0±0.5	17.5±1.0	7.0 max	2.7±0.5	11.8±0.5	12.0Typ	12.4 Typ	2.8 Typ



■ Package: Q'TY / Reel  
FLIHP-1770--300/pcs

# Hi-Current Power Inductor FLIHP 1770



18.0X17.5X7.0

## ■ Specifications

FLIHP 1770				
Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	( uH )	Max	Isat (A) Typ.	Irms (A) Typ.
FLIHP 1770- 1R0M	1.0	1.9	32.00	55.50
FLIHP 1770- 1R5M	1.5	2.2	31.00	48.00
FLIHP 1770- 2R2M	2.2	2.5	26.50	43.50
FLIHP 1770- 3R3M	3.3	3.2	25.00	35.00
FLIHP 1770- 4R7M	4.7	4.4	21.00	30.00
FLIHP 1770- 6R8M	6.8	6.5	18.00	22.50
FLIHP 1770- 100M	10	9.8	15.00	19.00
FLIHP 1770- 150M	15	15.0	12.00	14.00
FLIHP 1770- 220M	22	22.0	9.50	12.00
FLIHP 1770- 330M	33	38.5	9.00	10.70
FLIHP 1770- 470M	47	45.0	8.60	8.70
FLIHP 1770- 560M	56	60.5	5.20	7.20
FLIHP 1770- 680M	68	79.0	4.50	6.10
FLIHP 1770- 101M	100	116.0	4.00	5.00

■ Notes: Tolerance: M ( $\pm 20\%$ ), N ( $\pm 30\%$ )

■ 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