



### 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 0650**

Type

**1R0**

Inductance code

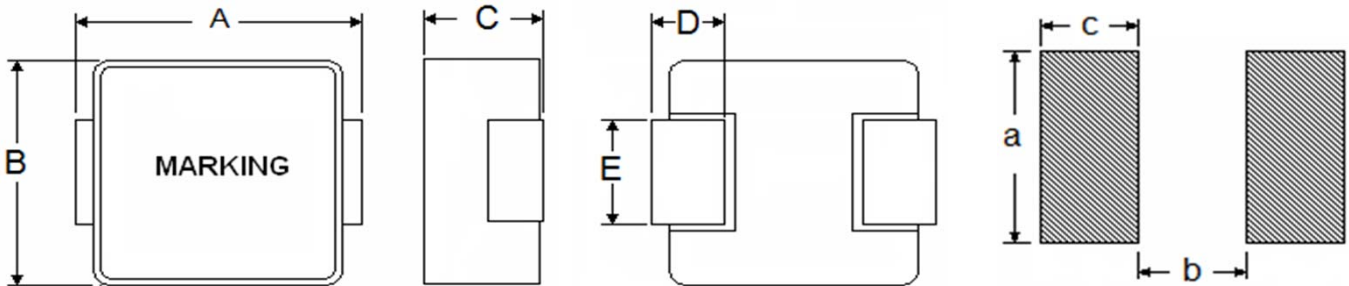
**M**

Tolerance: M :  $\pm 20\%$

N :  $\pm 30\%$

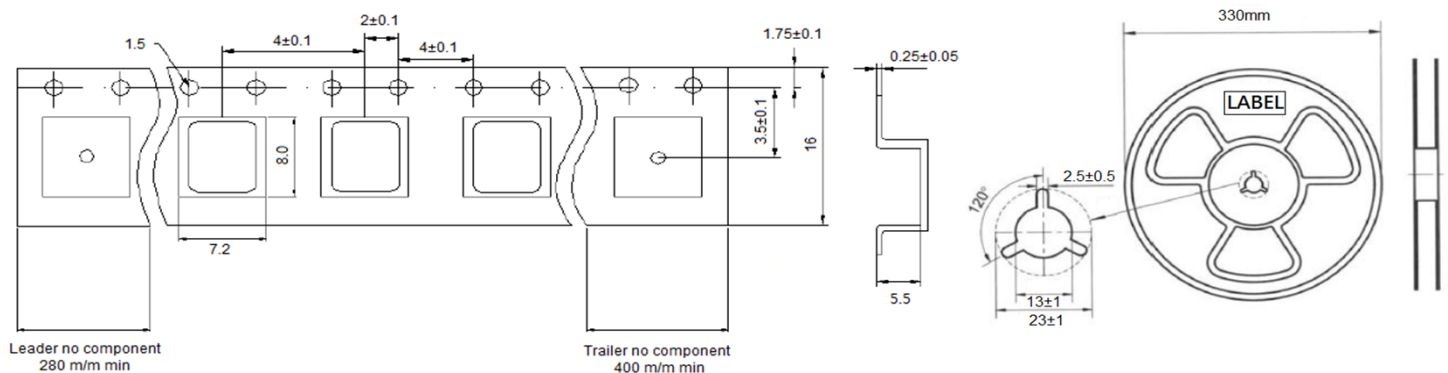
### Outline Dimension:

### Recommended Land Pattern:



Dimensions in mm

| TYPE       | A      | B             | C       | D             | E             | a      | b       | c       |
|------------|--------|---------------|---------|---------------|---------------|--------|---------|---------|
| FLIHP 0650 | 7.4max | 6.6 $\pm$ 0.2 | 5.0 max | 1.6 $\pm$ 0.3 | 3.0 $\pm$ 0.2 | 3.1Typ | 3.8 Typ | 1.7 Typ |



Package: Q'TY / Reel  
FLIHP-0650--1K/pcs

# Hi-Current Power Inductor FLIHP 0650



7.4X6.6X5.0

## ■ Specifications

| FLIHP 0650       |        |          |                    |                     |
|------------------|--------|----------|--------------------|---------------------|
| Flic No.         | L      | DCR (mΩ) | Stauration Current | Heat Rating Current |
|                  | ( uH ) | Max      | Isat (A) Typ.      | Irms (A) Typ.       |
| FLIHP 0650- 1R0M | 1.0    | 6.5      | 13.00              | 12.00               |
| FLIHP 0650- 1R5M | 1.5    | 8.5      | 12.00              | 10.00               |
| FLIHP 0650- 2R2M | 2.2    | 13.5     | 10.00              | 7.00                |
| FLIHP 0650- 3R3M | 3.3    | 22.0     | 9.00               | 8.50                |
| FLIHP 0650- 4R7M | 4.7    | 30.0     | 8.00               | 5.70                |
| FLIHP 0650- 6R8M | 6.8    | 44.0     | 7.00               | 5.00                |
| FLIHP 0650- 100M | 10     | 55.0     | 6.00               | 4.20                |
| FLIHP 0650- 150M | 15     | 85.0     | 4.00               | 3.50                |
| FLIHP 0650- 220M | 22     | 130.0    | 3.20               | 2.80                |
| FLIHP 0650- 330M | 33     | 180.0    | 3.00               | 2.40                |
| FLIHP 0650- 470M | 47     | 290.0    | 2.50               | 2.00                |
| FLIHP 0650- 680M | 68     | 468.0    | 2.00               | 1.20                |

■ 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