



■ Features:

- High current , low DCR , high efficiency.
- Very low acoustic noise and very low leakage flux noise.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 Grade 1 qualified (−55°C to +125°C ambient).

■ Applications:

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

■ Parts code:

FLIHP 0840

Type

1R0

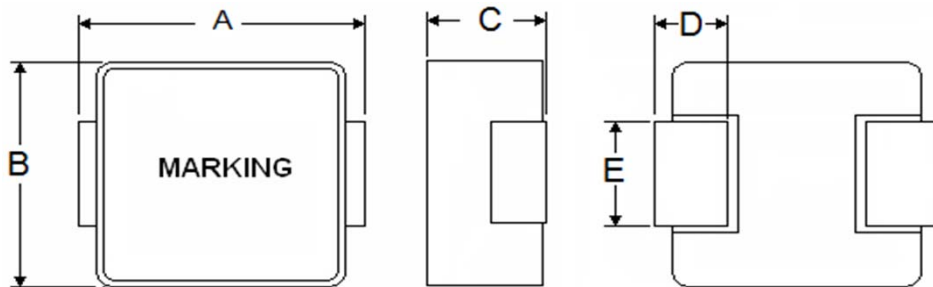
Inductance code

M

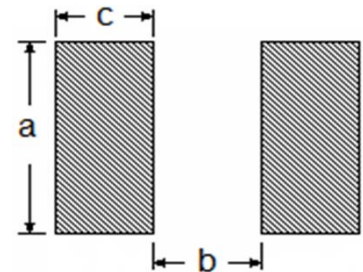
Tolerance: M : ± 20%

N : ± 30%

■ Outline Dimension:

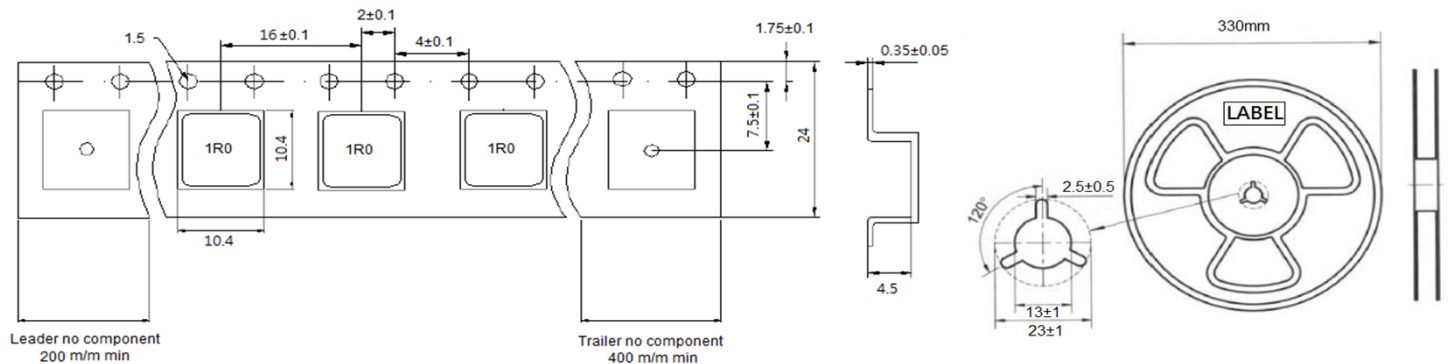


■ Recommended Land Pattern:



Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
FLIHP 0840	8.8±0.4	8.1±0.2	3.8±0.2	1.6±0.3	5.0±0.3	5.5 Typ	4.5 Typ	2.55 Typ



■ Package: Q'TY / Reel

FLIHP-0840--800/pcs

Hi-Current Power Inductor FLIHP 0840



8.8X8.1X4.0

Specifications

FLIHP 0840					
Flic No.	L	DCR (mΩ) @25°C		Stauration Current	Heat Rating Current
	(uH)	Typ.	Max	Isat (A) Typ.	Irms (A) Typ.
FLIHP 0840- R22M	0.22	1.6	1.76	60.00	31.00
FLIHP 0840- R33M	0.33	2.0	2.20	55.00	30.00
FLIHP 0840- R47M	0.47	2.6	2.86	40.00	28.00
FLIHP 0840- R56M	0.56	2.7	2.97	38.00	25.00
FLIHP 0840- R68M	0.68	3.1	3.41	36.00	23.00
FLIHP 0840- R82M	0.82	3.7	4.10	32.00	21.00
FLIHP 0840- 1R0M	1.0	4.5	4.95	29.00	18.00
FLIHP 0840- 1R5M	1.5	6.6	7.30	27.00	17.00
FLIHP 0840- 2R2M	2.2	10.8	11.90	25.00	16.00
FLIHP 0840- 3R3M	3.3	15.0	16.50	22.00	14.00
FLIHP 0840- 4R7M	4.7	26.8	29.50	19.00	8.50
FLIHP 0840- 5R6M	5.6	30.0	35.0	17.00	7.50
FLIHP 0840- 6R8M	6.8	40.0	46.0	16.50	6.50
FLIHP 0840- 8R2M	8.2	44.0	51.0	16.00	6.50
FLIHP 0840- 100M	10	53.0	61.0	10.00	5.60
FLIHP 0840- 220M	22	100.0	120.0	8.00	3.90

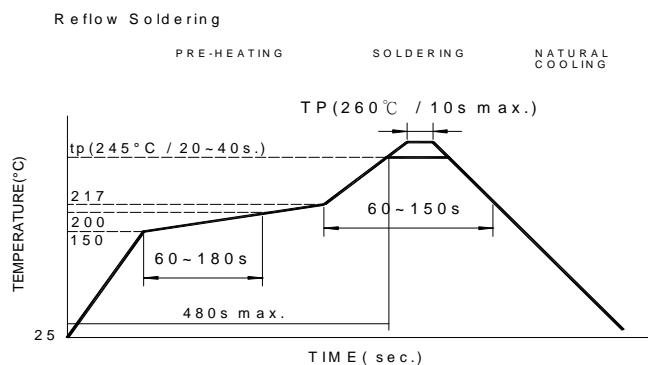
■ Test Ferquency: 100 KHz / 1V

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

- Isat: Based on Inductance decrease 30%
- Irms: Based on Temperature increase 40°C
- Operating temperature range: -55°C ~ +125°C
- Storage Temp: -40°C ~ +125°C

■ Solder re-flow:

Recommended temperature profiles for re-flow soldering.



Reflow times: 3 times max.