



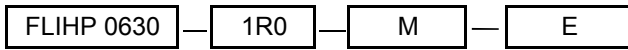
■ Features:

- Lowest DCR / μH , in this package size
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction

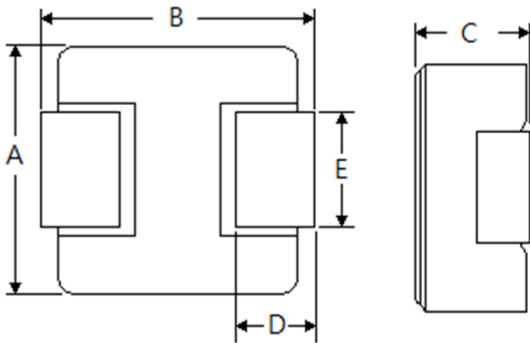
■ Applications:

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

■ Parts code:



Type Inductance code Tolerance Traceability Code



Dimensions in mm

FLIHP 0630				
A	B	C	D	E
6.8 Max	7.4 Max	3.0 Max	1.6	3.0

■ Specifications

P/N	Inductance $\mu\text{H} \pm 20\%$ @0A	DCR (m Ω)		HEAT RATING CURRENT DC AMPS ³ TYPICAL	SATURATION CURRENT DC AMPS ³ TYPICAL
		TYPICAL 25°C	MAX 25°C		
FLIHP 0630-R10M-E	0.10	1.5	1.7	32.5	60.0
FLIHP 0630-R15M-E	0.15	1.9	2.5	26.0	52.0
FLIHP 0630-R20M-E	0.20	2.4	3.0	24.0	41.0
FLIHP 0630-R22M-E	0.22	2.5	2.8	23.0	40.0
FLIHP 0630-R33M-E	0.33	3.5	3.9	20.0	30.0
FLIHP 0630-R47M-E	0.47	4.0	4.2	17.5	26.0
FLIHP 0630-R68M-E	0.68	5.0	5.5	15.5	25.0
FLIHP 0630-R82M-E	0.82	6.7	8.0	13.0	24.0
FLIHP 0630-1R0M-E	1.0	9.0	10.0	11.0	22.0
FLIHP 0630-1R5M-E	1.5	14.0	15.0	9.0	18.0
FLIHP 0630-2R2M-E	2.2	18.0	20.0	8.0	14.0
FLIHP 0630-3R3M-E	3.3	28.0	30.0	6.0	13.5
FLIHP 0630-4R7M-E	4.7	37.0	40.0	5.5	10.0
FLIHP 0630-6R8M-E	6.8	54.0	60.0	4.5	8.0
FLIHP 0630-8R2M-E	8.2	64.0	68.0	4.0	7.5
FLIHP 0630-100M-E	10.0	102.0	105.0	3.0	7.0

■ Notes: Test Freq. :100KHz / 1V

- ⊙ All test Data is referenced to 25°C ambient
- ⊙ Typical Heat Rating DC Current would cause an approximately ΔT of 40°C
- ⊙ Typical Saturation DC Current would cause L_o to drop approximately 30%
- △ Operating Temperature Range: -55°C to +125°C