



### ■ Features:

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

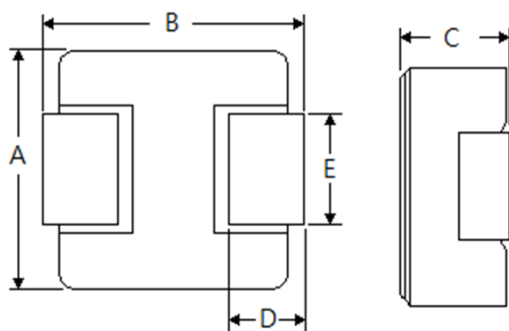
### ■ Applications:

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

### ■ Parts code:



Type          Inductance code          Tolerance          Traceability Code



Dimensions in mm

FLIHP 0518				
A	B	C	D	E
5.5 Max	5.7 Max	1.8 Max	1.2	2.2

### ■ Specifications

P/N	Inductance uH $\pm$ 20% @0A	DCR (m $\Omega$ )		HEAT RATING CURRENT DC AMPS <sup>3</sup> TYPICAL	SATURATION CURRENT DC AMPS <sup>3</sup> TYPICAL
		TYPICAL 25°C	MAX 25°C		
FLIHP 0518-R47M-E	0.47	7.6	8.5	11.0	16.0
FLIHP 0518-R56M-E	0.56	8	10	10.0	15.5
FLIHP 0518-R68M-E	0.68	12	14	9.0	13.0
FLIHP 0518-1R0M-E	1.0	15	18	8.5	10.0
FLIHP 0518-1R2M-E	1.2	17	20	7.5	9.5
FLIHP 0518-1R5M-E	1.5	23	28	6.2	9.0
FLIHP 0518-2R2M-E	2.2	30	35	5.2	7.0
FLIHP 0518-3R3M-E	3.3	45	52	4.7	5.5
FLIHP 0518-4R7M-E	4.7	70	81	3.5	4.5
FLIHP 0518-6R8M-E	6.8	103	125	2.9	3.6
FLIHP 0518-8R2M-E	8.2	131	145	2.6	3.5
FLIHP 0518-100M-E	10	139	154	2.5	3.3

### ■ Notes: Test Freq. :100KHz / 1V

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