



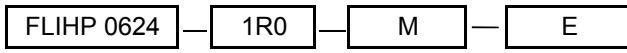
■ Features:

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

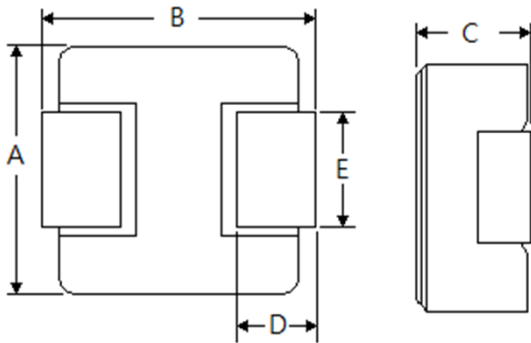
■ Applications:

- 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 0624 | | | | |
|------------|---------|---------|-----|-----|
| A | B | C | D | E |
| 6.8 Max | 7.4 Max | 2.4 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 $^{\circ}\text{C}$ | MAX 25 $^{\circ}\text{C}$ | | |
| FLIHP 0624-R10M-E | 0.10 | 1.5 | 1.7 | 30.0 | 50.0 |
| FLIHP 0624-R22M-E | 0.22 | 2.9 | 3.2 | 21.0 | 34.0 |
| FLIHP 0624-R33M-E | 0.33 | 3.7 | 4.1 | 18.0 | 22.0 |
| FLIHP 0624-R47M-E | 0.47 | 6.0 | 6.5 | 13.5 | 21.0 |
| FLIHP 0624-R68M-E | 0.68 | 8.7 | 9.4 | 11.0 | 18.0 |
| FLIHP 0624-R82M-E | 0.82 | 10.6 | 11.8 | 10.0 | 17.0 |
| FLIHP 0624-1R0M-E | 1.0 | 13.0 | 14.2 | 9.0 | 16.0 |
| FLIHP 0624-1R5M-E | 1.5 | 18.5 | 21.2 | 7.5 | 15.0 |
| FLIHP 0624-2R2M-E | 2.2 | 28.0 | 34.0 | 6.5 | 14.0 |
| FLIHP 0624-3R3M-E | 3.3 | 36.5 | 51.6 | 5.0 | 13.0 |
| FLIHP 0624-4R7M-E | 4.7 | 45.0 | 63.0 | 4.5 | 9.0 |
| FLIHP 0624-5R6M-E | 5.6 | 66.0 | 73.0 | 4.0 | 8.0 |
| FLIHP 0624-6R8M-E | 6.8 | 72.5 | 95.0 | 3.6 | 7.0 |
| FLIHP 0624-8R2M-E | 8.2 | 84.0 | 106.0 | 3.0 | 6.5 |
| FLIHP 0624-100M-E | 10 | 116.0 | 129.0 | 2.5 | 6.0 |

■ Notes: Test Freq. :100KHz / 1V

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