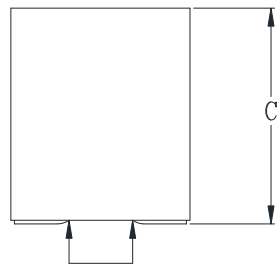
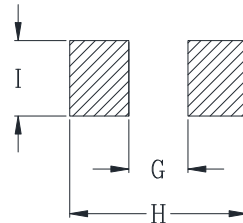
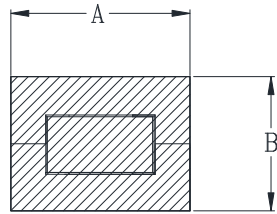


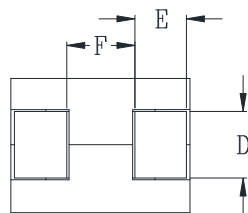


DELTA P/N : HCME107512(F) Series

Mechanical Dimensions



DCR Measure Points



Suggested PWB Layout

UNIT : mm

A = 10.0 MAX

B = 7.5 MAX

(7.7 MAX for 90nH)

C = 12.0 MAX

D = 3.7

E = 2.8

F = 3.8

G = 3.3

H = 9.9

I = 4.2

Electrical Characteristics @ 25°C, 100kHz, 1V

| Delta P/N | L ¹ (nH) | Li (nH) MIN | DCR (mΩ) ± 10% | Isat ² (A) | | | Ir ³ (A) |
|-----------------|------------------------|-------------------|----------------------|--------------------------|-------|-------|------------------------|
| | | | | 25°C | 100°C | 125°C | |
| HCME107512-900 | 90 | 58 | 0.103 | 157 | 128 | 118 | 84 |
| HCME107512-101 | 100 | 64 | | 148 | 120 | 111 | |
| HCME107512-121 | 120 | 77 | | 123 | 100 | 92 | |
| HCME107512-151 | 150 | 96 | | 98 | 80 | 73 | |
| HCME107512F-900 | 90 | 58 | 0.103 | 150 | 128 | 118 | 84 |
| HCME107512F-101 | 100 | 64 | | 141 | 120 | 111 | |
| HCME107512F-121 | 120 | 77 | | 118 | 100 | 92 | |
| HCME107512F-151 | 150 | 96 | | 94 | 80 | 73 | |

1. Tolerance of inductance: ± 15% for 90nH, ± 10% for other parts.
2. Isat is the DC current which causes the inductance drop to Li.
3. Ir is the DC current which causes the surface temperature of the part increase approximately 40 °C.
4. Operating temperature: -40°C to 125°C (Self-temperature rise included).