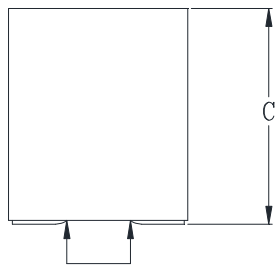
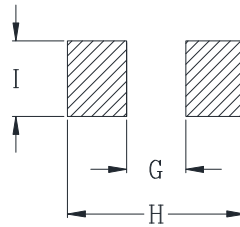
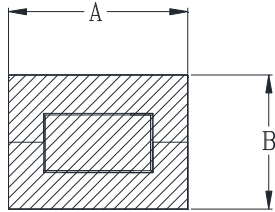


CYNTEC CO., LTD.

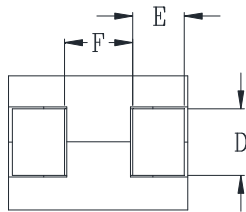
乾坤科技股份有限公司

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).