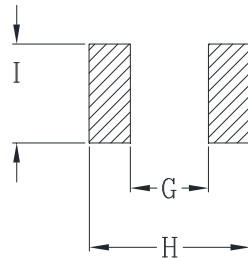
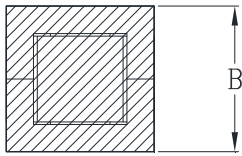


CYNTEC CO., LTD.

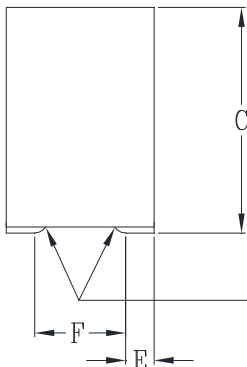
乾坤科技股份有限公司

HCME606090F Series

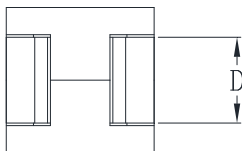
Mechanical Dimensions



Suggested PWB Layout



DCR Measure Points



UNIT : mm

A = 6.0 MAX.

B = 6.0 MAX.

C = 9.0 MAX.

D = 3.3

E = 1.1

F = 3.5

G = 3.0

H = 6.2

I = 3.8

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

Delta P/N	L (nH) ± 15%	Li (nH) MIN	DCR (mΩ) ± 10%	Isat ¹ (A)			Ir ² (A)
				25°C	100°C	125°C	
HCME606090F-101	100	72	0.25	70	60	56	50
HCME606090F-121	120	86		58	50	46	
HCME606090F-151	150	108		45	38	36	

1. Isat is the DC current which causes the inductance drop to Li.
2. Ir is the DC current which causes the surface temperature of the part increase approximately 40 °C.
3. Operating temperature: -40°C to 125°C (Self-temperature rise included).