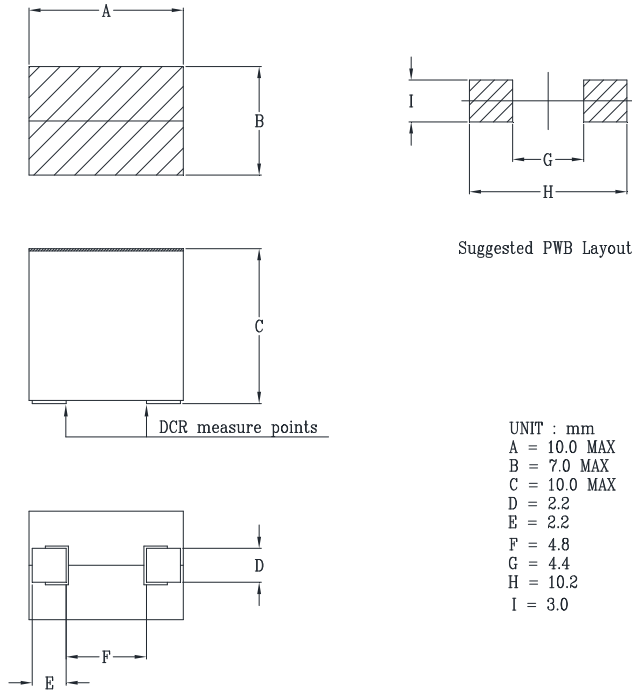


# CYNTEC CO., LTD.

## 乾坤科技股份有限公司

### HCFE107010 Series

#### Mechanical Dimensions



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

Delta P/N	L (nH) ± 10%	Li (nH) MIN	DCR (mΩ) ± 10%	Isat <sup>1</sup> (A)			Ir <sup>2</sup> (A)
				25°C	100°C	125°C	
HCFE107010-121	120	86	0.17	114	93	85	66
HCFE107010-151	150	108		91	74	68	
HCFE107010-181	180	130		72	58	54	
HCFE107010-221	220	158		57	46	43	
HCFE107010-271	270	194		44	36	33	
HCFE107010-331	330	231		35	28	26	

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).