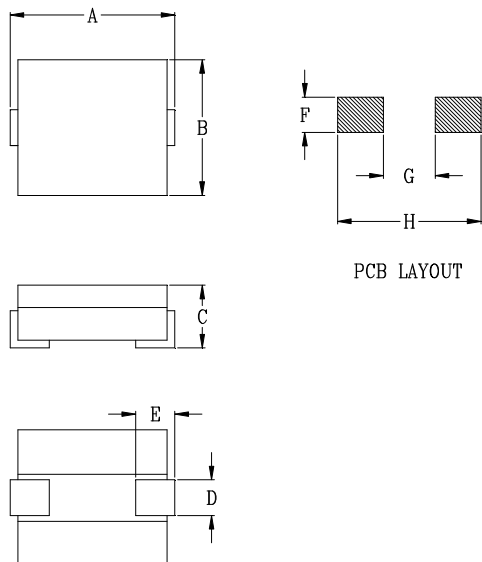


### Cyntec P/N : HCB1070 Series

#### Mechanical Dimensions



Dimensions (Unit : mm)

	0.6 mΩ	0.44 mΩ
A	10.0 MAX	
B	10.0 MAX	
C	7.0 MAX	
D	2.3	2.5
E	2.0	
F	3.0	
G	5.1	
H	10.2	

#### Electrical Characteristics

Part Number	L0 Inductance ( nH ) @ (0A)	Li (nH)	DCR ( mΩ )	Heat Rating Current DC Amps. I <sub>dc</sub> ( A )	Saturation Current DC Amps. I <sub>sat</sub> ( A )
HCB1070-151	150	120	0.6 ± 10%	30	78
HCB1070-221	220	176			52
HCB1070-151L	150	120	0.44 ± 10%	35	78
HCB1070-221L	220	176			52

\*: Inductance Tolerance ± 20%

Note 1. : All test data is referenced to 25°C ambient.

Note 2. : Test Condition: 100KHz, 1.0Vrms

Note 3. : I<sub>sat</sub> is the DC current which cause the inductance drop to Li

Note 4. : I<sub>dc</sub> is the DC current which cause the surface temperature of the part increase approximately 40 °C.

Note 5. : Operating temperature: -40°C to 125°C (Self-temperature rise included).

Note 6. : The rated current as listed is either the saturation current or the heating current depending on which value is lower.

■ Current Characteristic

