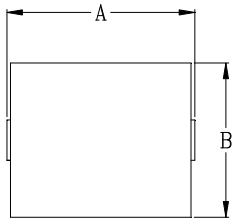
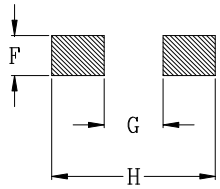
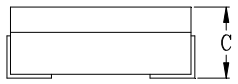
Cyntec P/N : HCB1065 Series

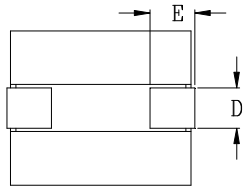
■ Mechanical Dimensions





PCB LAYOUT





Dimensions (Unit : mm)

	0.28 mΩ	0.29 mΩ	0.41 / 0.48mΩ
A	10.4 MAX		
B	8.0 MAX		
C	6.8 MAX	7.0 MAX	6.5 AX
D	2.1		
E	2.5		
F	2.8		
G	4.3		
H	10.9		

Electrical Characteristics

Part Number	L0 Inductance (nH) @ (0A)	**Li** (nH)	DCR (mΩ)	Heat Rating Current DC Amps. Idc (A)	Saturation Current DC Amps. Isat (A)
HCB1065-121	120	108	0.48 ± 8%	51	92
HCB1065-151	150	135			74
HCB1065-181	180	162			60
HCB1065-211	215	194			47
HCB1065-311	310	279			32
HCB1065-121L	120	108	0.29 ± 10%	60	87
HCB1065-151L	150	135			70
HCB1065-181L	180	162			57
HCB1065-211L	215	194			44
HCB1065-311L	310	279			30
HCB1065-121L1	120	108	0.41 ± 10%	54	92
HCB1065-151L1	150	135			74
HCB1065-181L1	180	162			60
HCB1065-211L1	215	194			47
HCB1065-311L1	310	279			32
HCB1065-121L2	120	108	0.28 ± 7%	61	84
HCB1065-151L2	150	135			67
HCB1065-181L2	180	162			56
HCB1065-211L2	215	194			45
HCB1065-311L2	310	279			30

*: Inductance Tolerance ± 20%

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

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

Note 3.： Isat is the DC current which cause the inductance drop to Li

Note 4.： Idc is the DC current which cause the surface temperature of the part increase approximately 40 ℃.

Note 5.： Operating temperature: -40℃ to 125℃ (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