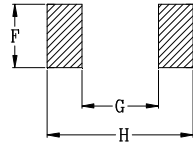
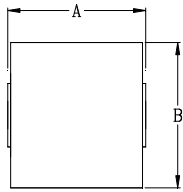
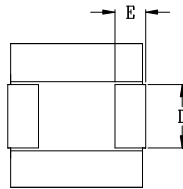
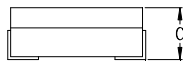


Cyntec P/N : HCB1380 Series

■ Mechanical Dimensions



PCB LAYOUT



Dimensions (Unit : mm)

	0.26mΩ	0.53mΩ	0.32mΩ	0.165mΩ
A	13.0 MAX		13.3 MAX	
B	13.0 MAX			
C	8.0 MAX		8.2 MAX	
D	5.0			
E	2.5		2.5	
F	5.8		5.8	
G	7.1		7.5	
H	13.2		13.5	

Electrical Characteristics

Part Number	L0 Inductance (nH) @ (0A)	Li (nH)	DCR (mΩ)	Heat Rating Current DC Amps. I _{dc} (A)	Saturation Current DC Amps. I _{sat} (A)
HCB1380-211	210	180	0.26 ± 9.4%	50	80
HCB1380-251	250	212			66
HCB1380-261	260	221			63
HCB1380-321	320	272			47
HCB1380-361	360	306			43
HCB1380-441	440	374			34
HCB1380-501	500	425			28
HCB1380-211H	210	180	0.53 ± 11.5%	35	80
HCB1380-251H	250	212			66
HCB1380-261H	260	221			63
HCB1380-321H	320	272			47
HCB1380-361H	360	306			43
HCB1380-441H	440	374			34
HCB1380-501H	500	425			28
HCB1380-211H1	210	180	0.32 ± 9.4%	45	80
HCB1380-251H1	250	212			66
HCB1380-261H1	260	221			63
HCB1380-321H1	320	272			47
HCB1380-361H1	360	306			43
HCB1380-441H1	440	374			34
HCB1380-501H1	500	425			28
HCB1380-211L	210	180	0.165 ± 10%	68	80
HCB1380-251L	250	212			66
HCB1380-261L	260	221			63
HCB1380-321L	320	272			47
HCB1380-361L	360	306			43
HCB1380-441L	440	374			34
HCB1380-501L	500	425			28

*: Inductance Tolerance ± 20%

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

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

Note 3. : I_{sat} is the DC current which cause the inductance drop to Li

Note 4. : I_{dc} 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

