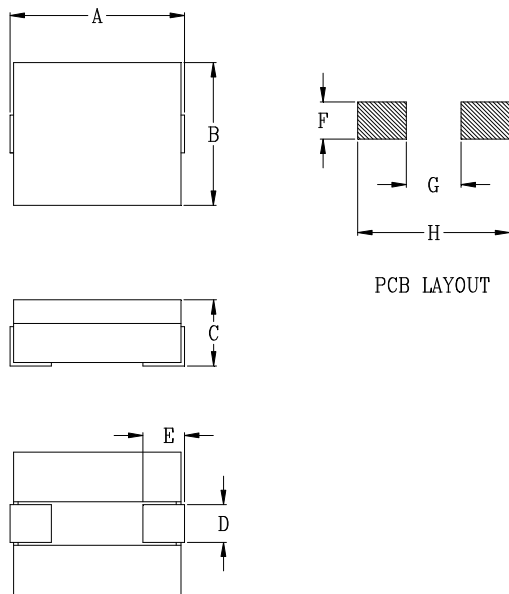


Cyntec P/N : HCB1175 Series

Mechanical Dimensions



Dimensions (Unit : mm)

	0.29mΩ	0.47mΩ	0.245mΩ
A	11.0 MAX		
B	7.2 MAX		
C	7.5 MAX	7.2 MAX	7.5 MAX
D	1.6	1.5	
E	2.5		
F	2.1		
G	5.0		
H	11.5		

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)
HCB1175-121	120	102	0.29 ± 7%	48	76
HCB1175-151	150	128			70
HCB1175-181	180	153			56
HCB1175-201	200	170			52
HCB1175-231	230	196			44
HCB1175-281	280	238			36
HCB1175-301	300	255			34
HCB1175-361	360	306			25
HCB1175-401	400	340			23
HCB1175-501	500	425			17
HCB1175-121H	120	102	0.47 ± 10%	37	76
HCB1175-151H	150	128			70
HCB1175-181H	180	153			56
HCB1175-201H	200	170			52
HCB1175-231H	230	196			44
HCB1175-281H	280	238			36
HCB1175-301H	300	255			34
HCB1175-361H	360	306			25
HCB1175-401H	400	340			23
HCB1175-501H	500	425			17
HCB1175-121L	120	102	0.245 ± 10%	52	76
HCB1175-151L	150	128			70
HCB1175-181L	180	153			56
HCB1175-201L	200	170			52
HCB1175-231L	230	196			44
HCB1175-281L	280	238			36
HCB1175-301L	300	255			34
HCB1175-361L	360	306			25
HCB1175-401L	400	340			23
HCB1175-501L	500	425			17

*: Inductance Tolerance ± 15%

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

