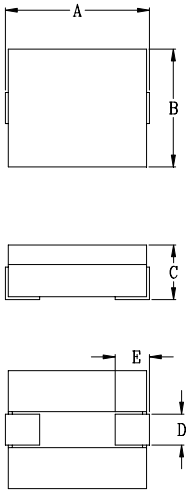
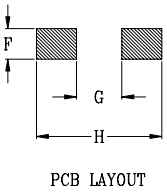
DELTA P/N : HCB1175 Series

Mechanical dimensions





PCB LAYOUT

Dimensions (Unit : mm)

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

Electrical Characteristics

Delta P/N	L [1] (nH)	Li (nH)	DCR (mΩ)	Isat [2] (A)	Ir [3] (A)
HCB1175-121	120	102	0.29 ± 7%	76	48
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%	76	37
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%	76	52
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	

1. Tolerance of inductance : ± 15%
2. Isat is the DC current which cause the inductance drop to Li
3. Ir is the DC current which cause the surface temperature of the part increase approximately 40 ℃.
4. Operating temperature: -40℃ to 125℃ (Self-temperature rise included).