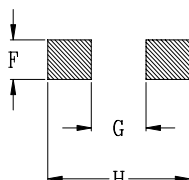
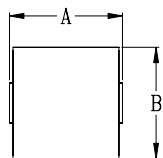


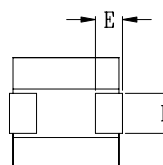
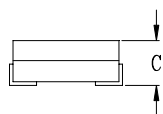


DELTA P/N : HCB0730 Series

Mechanical dimensions



PCB LAYOUT



Dimensions (Unit : mm)

	0.24 & 0.3 mΩ	0.15 mΩ
A	7.0 MAX	7.3 MAX
B	7.0 MAX	7.0 MAX
C	3.0 MAX	3.4MAX
D	2.5	2.5
E	1.5	1.5
F	3.0	3.0
G	3.3	3.6
H	7.5	7.6

Electrical Characteristics

Delta P/N	L ¹ (nH)	Li (nH)	DCR (mΩ)	Isat ² (A)	Ir ³ (A)
HCB0730-470	47	32.9	0.24 ± 10%	42	39
HCB0730-680	68	47.6		32	
HCB0730-820	82	57.4		26	
HCB0730-101	100	70.0		22	
HCB0730-111	110	77.0		20	
HCB0730-121	120	84.0		18	
HCB0730-470H	47	32.9	0.30 ± 10%	42	35
HCB0730-680H	68	47.6		32	
HCB0730-820H	82	57.4		26	
HCB0730-101H	100	70.0		22	
HCB0730-111H	110	77.0		20	
HCB0730-121H	120	84.0		18	
HCB0730-470L	47	32.9	0.15 ± 15%	42	49
HCB0730-680L	68	47.6		32	
HCB0730-820L	82	57.4		26	
HCB0730-101L	100	70.0		22	
HCB0730-111L	110	77.0		20	
HCB0730-121L	120	84.0		18	

1. Tolerance of inductance : ± 20%
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 °C.
4. Operating temperature: -40°C to 125°C (Self-temperature rise included).