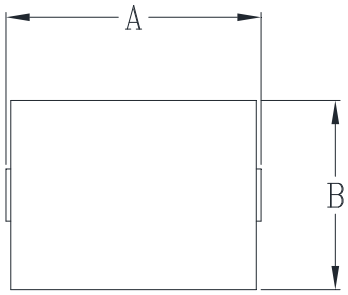
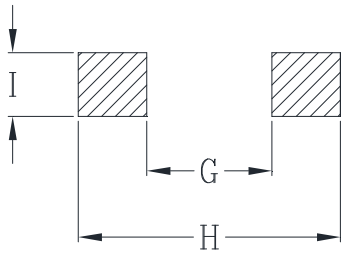
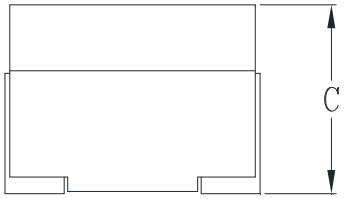
DELTA P/N : HCB118080S Series

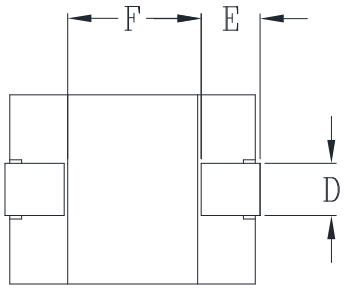
Mechanical dimensions





Suggested PWB Layout





UNIT : mm
A = 10.8 MAX
B = 8.0 MAX
C = 8.0 MAX
D = 2.2
E = 2.5
F = 5.6
G = 5.1
H = 11.1
I = 2.7

Electrical Characteristics @ 25℃, 100kHz, 1V

Delta P/N	L [1] (nH)	Li (nH) MIN	DCR (mΩ)	Isat [2] (A)			Ir [3] (A)
				25℃	100℃	125℃	
HCB118080S-101	100	72	0.17 ± 5%	132	105	99	79
HCB118080S-121	120	87		110	88	83	
HCB118080S-151	150	108		90	72	68	
HCB118080S-181	180	130		72	58	54	
HCB118080S-221	220	158		57	46	43	

*C=8.1mm MAX for 100nH part.

1. Tolerance of inductance : ± 10%
2. Isat is the DC current which causes the inductance drop to Li.
3. Ir is the DC current which causes the surface temperature of the part increase approximately 40 ℃.
4. Operating temperature: -40℃ to 125℃ (Self-temperature rise included).