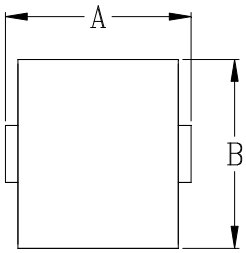
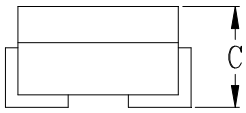
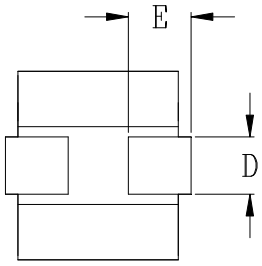
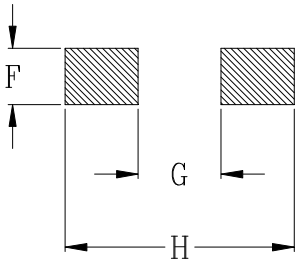
Cyntec P/N : HCB44 Series

■ Mechanical Dimensions









PCB LAYOUT

Dimensions (Unit : mm)

A	4.0 MAX
B	4.0 MAX
C	4.0 MAX
D	1.4
E	1.3
F	1.9
G	0.6
H	4.5

Electrical Characteristics

Part Number	L0 Inductance (nH) @ (0A)	**Li** (nH) Min	DCR (mΩ)	Heat Rating Current DC Amps. Idc (A)	Saturation Current DC Amps. Isat (A)
HCB44-500	50	34	0.32 ± 25%	19	32
HCB44-500A	50	34	0.32 ± 10%	19	32
HCB44-650	65	44	0.32 ± 25%	19	24
HCB44-650A	65	44	0.32 ± 10%	19	24
HCB44L-650	65	44	0.29 ± 0.02	20.5	24

*: Inductance Tolerance ± 20%

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

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

Note 3.： Isat is the DC current which cause the inductance drop not lower than Li.

Note 4.： Idc is the DC current which cause the surface temperature of the part increase approximately 40 ℃.

Note 5.： Operating temperature: -40℃ to 125℃ (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