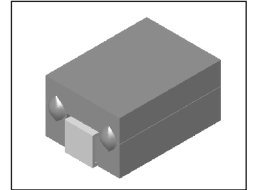


SMT Power Inductor

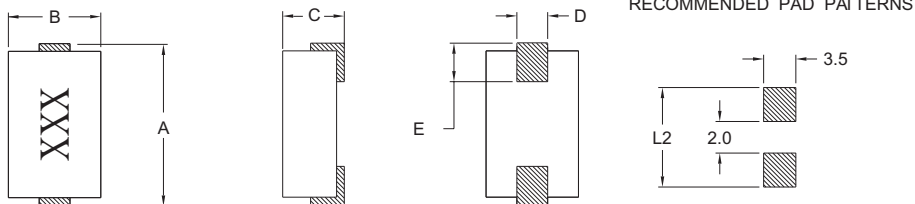
HCB0750 Type

Features

- RoHS compliant.
- Small size, low profile, SMD type.
- Magnetic shielded, suitable for high density mounting..
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.



Mechanical Dimension :



UNIT : mm/inch
 B = 7.00 / 0.276 Max.
 D = 2.50 / 0.098
 E = 2.00 / 0.079

Electrical Characteristics : At 25°C: 100KHz, 1V

PART NO.	L ¹ (nH)	Li (nH)Min.	DCR (mΩ) MAX	I _{sat} ² (Adc)	I _{rms} ³ (Adc)	A (mm) MAX	C (mm) MAX	L2 (mm) MAX
HCB0750-700	70	56	0.5	65	35	7.0	5.0	7.5
HCB0750-101	100	80	0.5	48	35	7.0	5.0	7.5
HCB0750-121	120	96	0.5	38	35	7.0	5.0	7.5
HCB0750-151	150	120	0.5	32	35	7.0	5.0	7.5
HCB0750-700L	70	56	0.3	65	42	7.2	5.2	7.7
HCB0750-101L	100	80	0.3	48	42	7.2	5.2	7.7
HCB0750-121L	120	96	0.3	38	42	7.2	5.2	7.7
HCB0750-151L	150	120	0.3	32	42	7.2	5.2	7.7

1. Tolerance of inductance is $\pm 20\%$.
2. I_{sat} is the DC current which cause the inductance drop not lower than Li.
3. I_{rms} is the DC current which cause the surface temperature of the part increase less than 45°C.
4. Operating temperature : -20°C to 105°C (including self-temperature rise).



DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEISAN INDUSTRIAL ZONE, TAOYUAN SHIEN, 333, TAIWAN, R.O.C.

TEL: 886-3-3591968; FAX: 886-3-3591991

<http://www.deltaww.com>