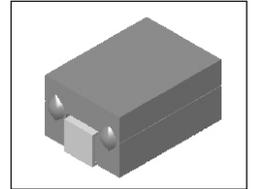


SMT Power Inductor

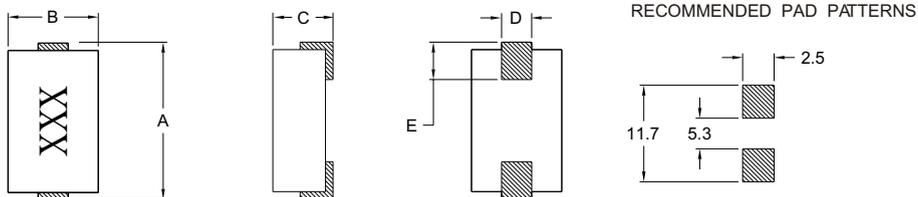
HC B1190B Type

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
 A = 11.20 / 0.441 Max.
 B = 11.20 / 0.441 Max.
 C = 9.00 / 0.354 Max.
 D = 2.00 / 0.079
 E = 2.50 / 0.098

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

PART NO.	L ¹ (nH)	DCR (mΩ) MAX	I _{sat} ² (A _{dc})	I _{rms} ³ (A _{dc})
HCB1190B-221	225	0.70	65	35
HCB1190B-271	270	0.70	55	35
HCB1190B-321	325	0.70	40	35
HCB1190B-471	470	0.70	28	35

1. Tolerance of inductance is $\pm 20\%$.
2. I_{sat} is the DC current which cause the inductance drop approximately 20% of its nominal inductance without current.
3. I_{rms} is the DC current which cause the surface temperature of the part increase less than 55°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>