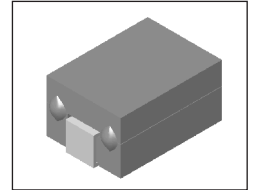


# SMT Power Inductor

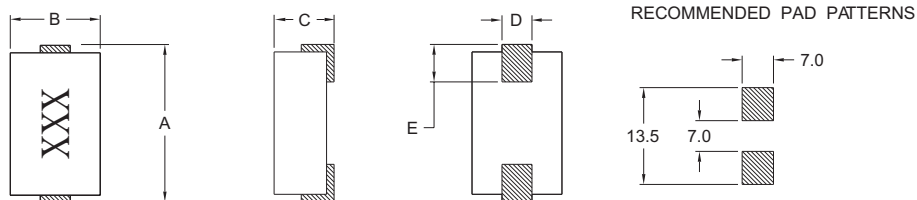
## HCB1380 Type

### Features

- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- 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.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



### Mechanical Dimension :



UNIT : mm/inch  
 A = 13.50 / 0.531 Max.  
 B = 13.00 / 0.512 Max.  
 C = 8.00 / 0.315 Max.  
 D = 5.00 / 0.197  
 E = 2.50 / 0.098

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

PART NO.	Lo <sup>1</sup> (nH)	DCR (mΩ) MAX	Isat <sup>2</sup> (Adc)	Irms <sup>3</sup> (Adc)
HCB1380-161	160	0.32	71	45
HCB1380-171	170	0.32	71	45
HCB1380-211	210	0.32	70	45
HCB1380-261	260	0.32	60	45
HCB1380-261H	260	0.53 ± 11.3%	60	39
HCB1380-321	320	0.32	45	45
HCB1380H-321	320	0.32	60	60
HCB1380-361	360	0.32	40	45
HCB1380-361H	360	0.60	40	39
HCB1380-441	440	0.32	32	45
HCB1380-441D1	440	0.24	32	58
HCB1380-441D2	440	0.32 ± 9.4%	32	45

1. Tolerance of inductance is ± 20%.
2. Isat is the DC current which cause the inductance drop approximately 20% of its nominal inductance without current.
3. Iirms 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 ).



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