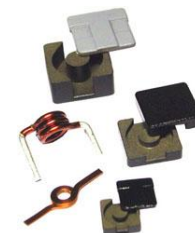


High Current Sendust Cores (HC 64 Series)

Description :

HC 64 series High Current Sendust Core has high operating frequency, high saturation current, low DCR and can be designed for thermal aging free up to 200°C. The core is not easy breakdown up to 200°C when exposed to elevated environment temperature or generate elevated temperature by itself. The common application is for High Current Inductors, with 6.4mm x 6.4mm dimension and can be consist by two piece E cores or E+I core.

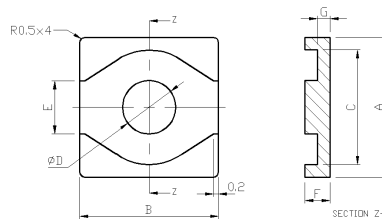


Feature :

- Thermal aging free up to 200°C
- High operating Frequency
- High saturation current
- Low height / Low buzz noise
- Low DCR / Low inductance

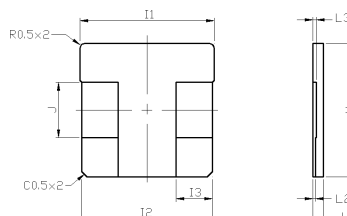
Application :

A high current inductor designed in Notebook, Desktop computer , Server, VGA card , DC/DC converter, PDA



E core

- A : 6.4
- B : 6.4
- C : 5.6
- D : 2.55
- E : 2.0
- F : customized
- G : customized



I core

- H : 6.4
- I : 6.4
- L : customized

Electrical Specifications for reference :

No	Inductance (0A dc)	I sat (A dc)	I rms (A dc)	Typ. DCR (m-ohm)	Core Shape	Total Height (mm)
1	0.47 uH	21.0	15.0	2.0	E + I	3.70
2	0.68 uH	16.5	14.0	3.0	E + I	4.60
3	1.0 uH	14.0	11.0	5.5	E + I	3.50
4	1.5 uH	12.0	10.5	6.5	E + I	4.00
5	4.7 uH	3.0	5.6	23.7	E + I	4.05
6	5.6 uH	3.2	4.1	27.5	E + I	4.40
7	6.2 uH	4.9	5.3	27.0	E + I	4.55

* I sat : The DC current at which the inductance drops 20% from its initial value or temperature rise 80°C. (depends on which current is lower)

* I rms : The DC current causes the core temperature rise 40°C. (Test condition : 100KHz , 0.1V)

* The reading values are typical only, will changed with different material, dimension and coil.

* Other materials and custom parts are also available.

