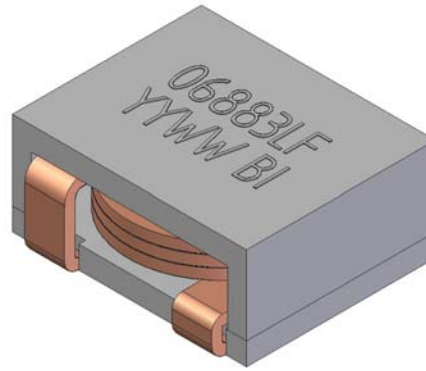


# HM00-06883LFTR

**High Current  
Low Loss Sendust  
SMD Inductor**



## Features

- Low DCR
- High Q over 1MHz
- High saturation current
- Suitable for DC/DC, POL, VRM modules
- Suitable for frequency application 400kHz and above

## Environmental

- Operating temperature range
- RoHS compliant

-40°C to + 155°C

## Specification @ 25°C

- Inductance @ 100kHz, 100mV
- DC Resistance
- Rated Current (20% drop of inductance)
- Saturation Current (30% drop of inductance)
- Heating Current,  $\Delta T = 40^\circ\text{C}$
- Core Loss

1.0uH $\pm$ 20%  
1.5m $\Omega$  (1.75m $\Omega$  Max)  
25Adc  
35Adc  
25Adc

$$\text{Core Loss} = K1 * (f)^{1.46} * (K2\Delta I)^{2.0}$$

Where: core loss = in watt

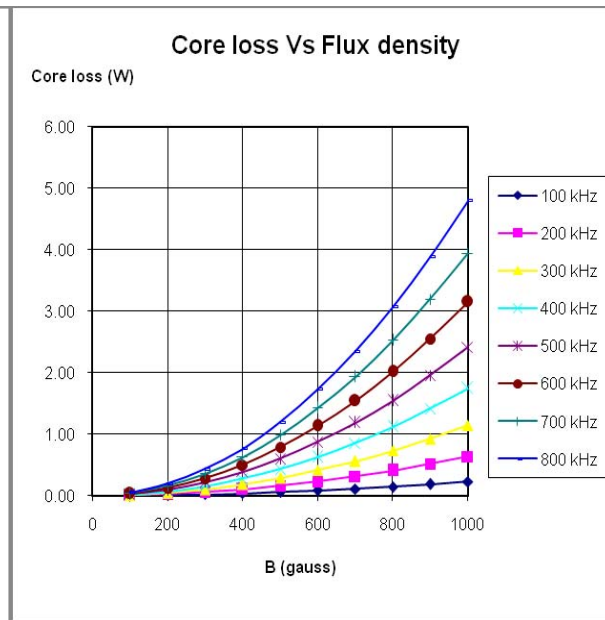
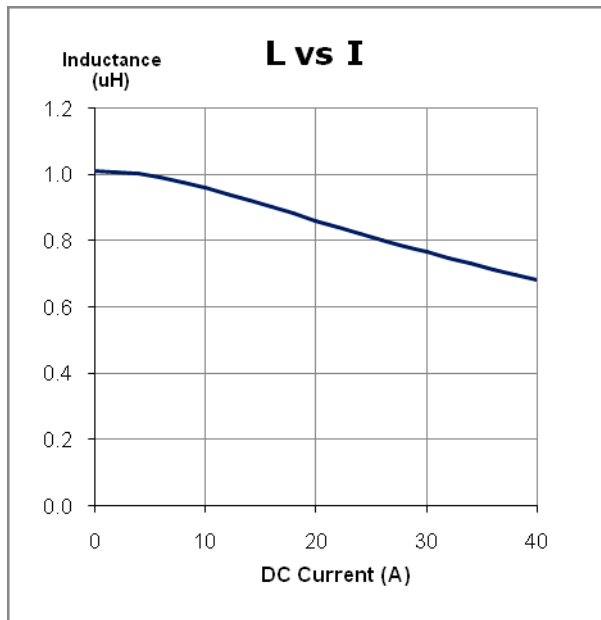
f = switching frequency in kHz

K1 = 2.766E-10

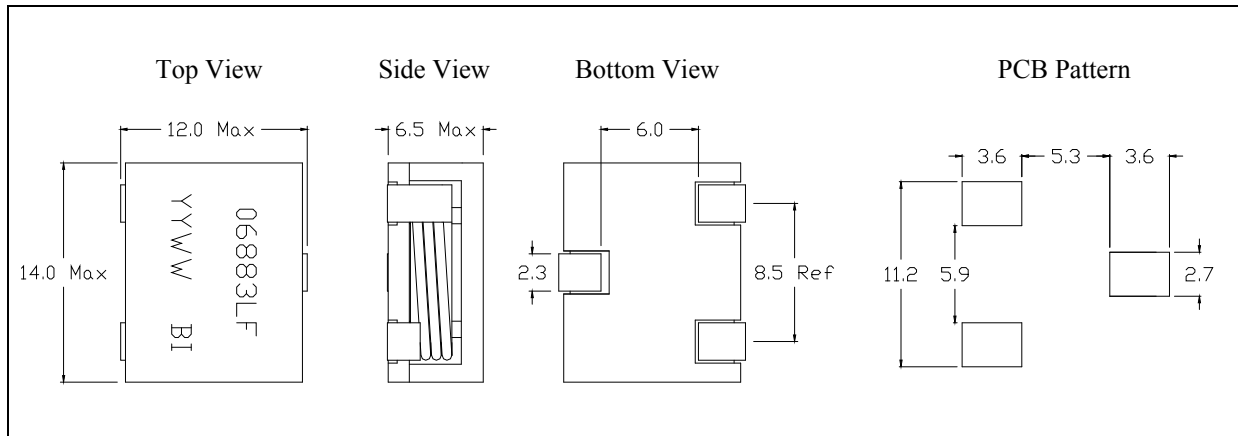
K2 = 88.42

$\Delta I$  = delta I across the component in A.

K2 $\Delta I$  = peak to peak flux density across the component in Gauss.



## Outline Dimensions (mm)



## Packaging

- One 13" reel 300pcs
- One shipping carton 6 reels or 1800pcs

