

# Power Inductors Shielded - THT Toroidal 13 mm

POWER INDUCTORS

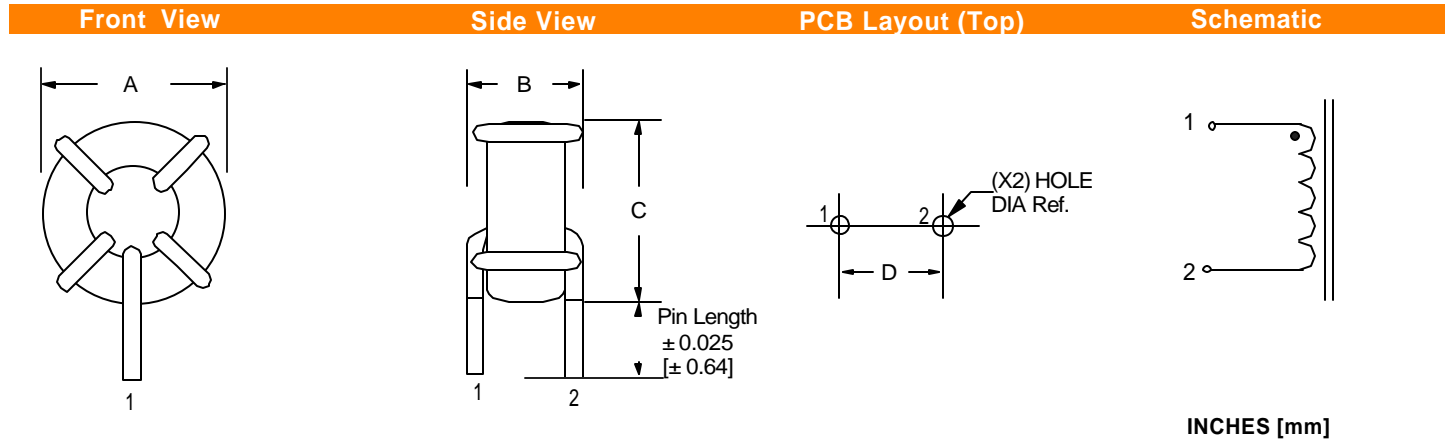
(T5060HT Series)



**MAX. DIM :**  
**L = 16.51 mm**  
**W = 8.00 mm**  
**H = 15.88 mm**

- For use in high frequency DC/DC converters.
- Low radiation.
- Low core loss
- Current handling up to 27 Amps.
- Energy storage of 219  $\mu$ J.

## MECHANICAL SPECIFICATIONS

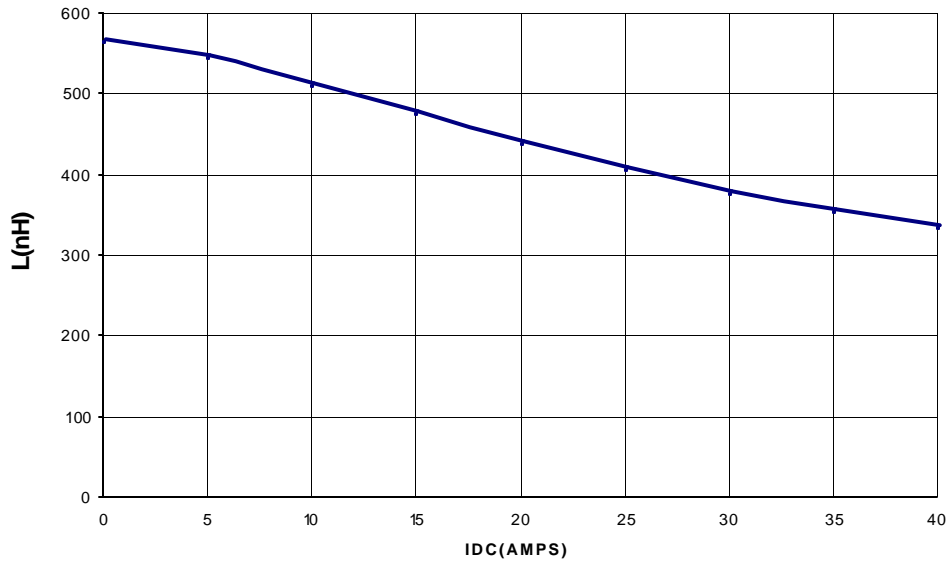


## ELECTRICAL SPECIFICATIONS

| FALCO PART NUMBER | OCL( $\mu$ H) <sup>1</sup> | TOL        | DCR (mW max) | I rating <sup>2</sup> (Amp) | A max. in / mm | B max. in / mm | C max. in / mm | D Ref. in / mm | Pin Length in/mm | Hole Dia. in / mm |
|-------------------|----------------------------|------------|--------------|-----------------------------|----------------|----------------|----------------|----------------|------------------|-------------------|
| T50A40            | 0.60                       | $\pm 15\%$ | 0.86670      | 27.00                       | 0.650 / 16.51  | 0.315 / 8.00   | 0.625 / 15.88  | 0.370 / 9.40   | 0.150 / 3.81     | 0.100 / 2.54      |

1. Inductance tested at 200 KHz 0.25 V,  
 2. Temperature rise is 45°C Typ.  
 3. Operating Temp. range 0° to +125°C.

INDUCTANCE vs CURRENT  
T50A40



TEMPERATURE vs CURRENT  
T50A40

