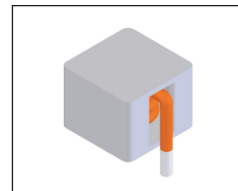


# Through Hole Power Inductors

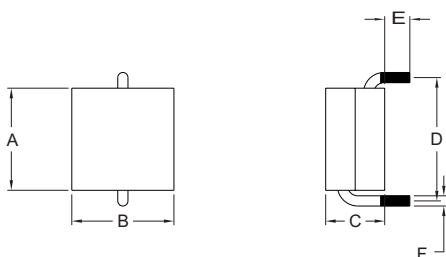
## THAH1485 & 1411 Type

### Features

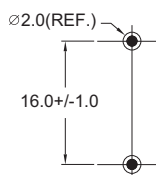
- RoHS compliant.
- High current (  $I_{sat}$  up to 40A ) through hole type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



### Mechanical Dimension:



### RECOMMENDED PAD PATTERNS



UNIT:mm/inch  
 A = 13.50 / 0.531 Max.  
 B = 13.50 / 0.531 Max.  
 D = 16.00±0.5 / 0.630±0.020  
 E = 3.50±0.5 / 0.138±0.020  
 F = 1.70 / 0.067

### Electrical Characteristics: At 25°C: 100KHz, 1.0V

PART NO.	$L_o^1$ ( $\mu$ H)	$L_i$ ( $\mu$ H) MIN	DCR ( $m\Omega$ ) MAX	$I_{sat}^2$ (A $\cdot$ c)	Dimension "C" (mm / inch) MAX
THAH1485-0R4	0.40	0.320	0.9	40	8.5 / 0.335
THAH1485-0R5	0.50	0.375	0.9	40	8.5 / 0.335
THAH1411-0R7	0.70	0.547	1.1	40	10.5 / 0.413
THAH1411-0R8	0.80	0.576	1.1	40	10.5 / 0.413

1.  $L_o$  is the initial inductance and the tolerance is  $\pm 20\%$ .
2.  $I_{sat}$  is the DC current which cause the inductance drop not lower than  $L_i$ .
3. Operating temperature : -40°C to 125°C ( including self-temperature rise ).



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