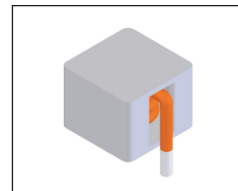


Through Hole Power Inductors

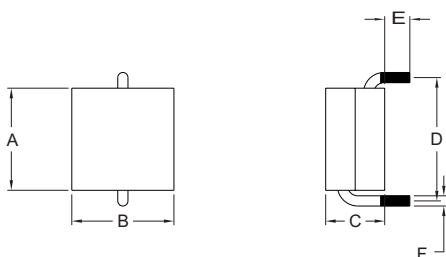
THAH1485 & 1411 Type

Features

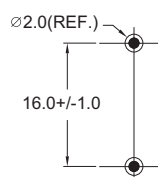
- RoHS compliant.
- High current (I_{sat} up to 40A) through hole type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown 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 (μ H)	L_i (μ 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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