

THTB Series

Through-hole Inductor

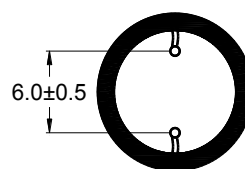
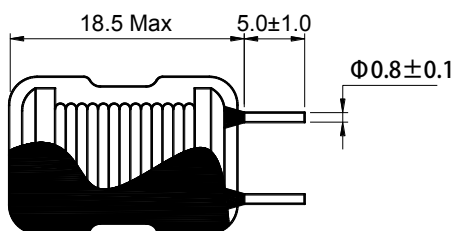
Size 1016



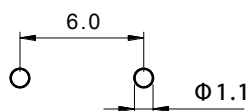
FEATURES

- High reliability, high consistency inductance.
- Lead free product, RoHS compliant.
- Core is encapsulated by UL heat shrink tube to provide excellent mechanic and environmental protection.
- Widely used in power supply, DC-DC converter, computer and peripherals, air-condition, home electric appliance, and etc.
- Operating temperature : -40°C ~ +125°C
(Including coil's temperature rise)

Dimensions: [mm]



Land Pattern: [mm]



Schematic:



Electrical Properties:

Part No.	Inductance (μH) ±10%	D.C.R. (mΩ)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
THTB1016-100K	10.0	21.7	26.1	12.9	10.3	5.87
THTB1016-120K	12.0	25.0	30.0	11.8	9.44	5.30
THTB1016-150K	15.0	27.8	33.3	10.0	8.00	4.94
THTB1016-180K	18.0	30.9	37.1	9.60	7.68	4.75
THTB1016-220K	22.0	33.7	40.5	8.40	6.72	4.46
THTB1016-270K	27.0	38.2	45.9	7.80	6.24	4.29
THTB1016-330K	33.0	40.9	49.1	7.00	5.60	4.09

Part No.	Inductance (μH) $\pm 10\%$	D.C.R. ($\text{m}\Omega$)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
THTB1016-390K	39.0	45.9	55.0	6.30	5.04	3.90
THTB1016-470K	47.0	51.3	61.6	5.90	4.72	3.70
THTB1016-560K	56.0	66.2	79.5	5.60	4.48	3.30
THTB1016-680K	68.0	74.3	89.2	4.90	3.92	3.10
THTB1016-820K	82.0	82.5	99.0	4.50	3.60	2.90
THTB1016-101K	100	108	130	4.00	3.20	2.55
THTB1016-121K	120	143	172	3.50	2.80	2.23
THTB1016-151K	150	165	198	3.30	2.64	2.06
THTB1016-181K	180	181	218	2.90	2.32	1.95
THTB1016-221K	220	246	295	2.60	2.08	1.69
THTB1016-271K	270	283	340	2.40	1.92	1.58
THTB1016-331K	330	353	423	2.20	1.76	1.40
THTB1016-391K	390	396	475	2.00	1.60	1.33
THTB1016-471K	470	478	573	1.80	1.44	1.21
THTB1016-561K	560	533	640	1.70	1.36	1.13
THTB1016-681K	680	693	832	1.55	1.24	1.02
THTB1016-821K	820	862	1,035	1.45	1.16	0.91
THTB1016-102K	1,000	983	1,179	1.35	1.08	0.82

All data is tested based on 25°C ambient temperature.

Inductance measure condition at 1kHz,0.25V.

Saturation current: the value of DC current when the inductance decrease 20% of its initial value.

Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T 40^\circ\text{C}$ ($T_a=25^\circ\text{C}$).

Typical Electrical Characteristics:

