

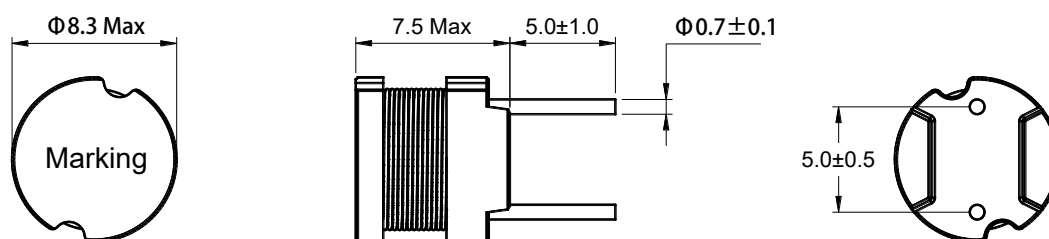
THNB Series Through-hole Inductor Size 0807



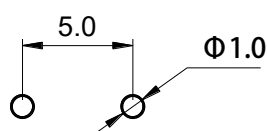
FEATURES

- High reliability, high consistency inductance.
- High saturation current
- Lead free product, RoHS compliant.
- 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)
- Quantity : 300 pcs

Dimensions: [mm]



Land Pattern: [mm]



Schematic:



Electrical Properties:

Part No.	Inductance (μ H) $\pm 10\%$	D.C.R. (m Ω)		Saturation current (A)		Temperature rise current (A)
		Typical	Max	Typical	Max	Typical
THNB0807-100K	10.0	26.2	31.4	4.70	3.76	4.11
THNB0807-120K	12.0	32.7	39.2	4.30	3.44	3.71
THNB0807-150K	15.0	45.3	54.4	4.00	3.20	3.15
THNB0807-180K	18.0	50.2	60.2	3.50	2.80	2.99
THNB0807-220K	22.0	57.5	69.0	3.00	2.40	2.79
THNB0807-270K	27.0	77.2	92.6	2.80	2.24	2.41
THNB0807-330K	33.0	89.4	107	2.60	2.08	2.24
THNB0807-390K	39.0	102	122	2.50	2.00	2.10
THNB0807-470K	47.0	128	154	2.20	1.76	1.87

Part No.	Inductance (μH) $\pm 10\%$	D.C.R. (m Ω)		Saturation current (A)		Temperature rise current (A)
		Typical	Max	Typical	Max	Typical
THNB0807-560K	56.0	144	172	2.00	1.60	1.77
THNB0807-680K	68.0	163	195	1.85	1.48	1.66
THNB0807-820K	82.0	220	264	1.60	1.28	1.43
THNB0807-101K	100	251	301	1.50	1.20	1.34
THNB0807-121K	120	314	377	1.40	1.12	1.20
THNB0807-151K	150	362	434	1.20	0.96	1.11
THNB0807-181K	180	466	559	1.10	0.88	0.98
THNB0807-221K	220	542	650	1.00	0.80	0.91
THNB0807-271K	270	694	833	0.90	0.72	0.80
THNB0807-331K	330	784	941	0.78	0.62	0.76
THNB0807-391K	390	955	1,140	0.74	0.59	0.69
THNB0807-471K	470	1,100	1,320	0.67	0.54	0.64
THNB0807-561K	560	1,370	1,640	0.60	0.48	0.57
THNB0807-681K	680	1,560	1,870	0.55	0.44	0.54
THNB0807-821K	820	2,080	2,490	0.50	0.40	0.46
THNB0807-102K	1,000	2,440	2,920	0.47	0.38	0.43

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:

