

THTB Series

Through-hole Inductor

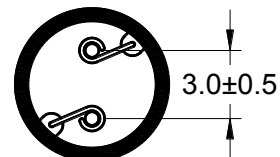
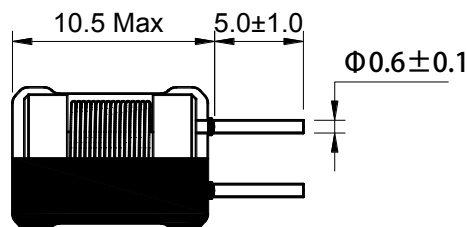
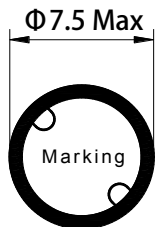
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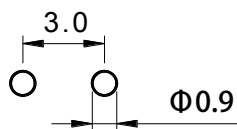
FEATURES

- 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 (μ H) $\pm 10\%$	D.C.R. (m Ω)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
THTB0608-100K	10.0	28.3	34.0	2.40	1.92	3.54
THTB0608-120K	12.0	31.5	37.8	2.10	1.68	3.35
THTB0608-150K	15.0	41.0	49.2	1.95	1.56	2.94
THTB0608-180K	18.0	48.0	57.6	1.80	1.44	2.72
THTN0608-220K	22.0	51.8	62.2	1.55	1.24	2.61
THTB0608-270K	27.0	68.0	81.6	1.45	1.16	2.28
THTB0608-330K	33.0	81.9	98.3	1.27	1.02	2.08

Part No.	Inductance (μH) $\pm 10\%$	D.C.R. ($\text{m}\Omega$)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
THTB0608-390K	39.0	101	121	1.22	0.98	1.87
THTB0608-470K	47.0	114	137	1.10	0.88	1.76
THTB0608-560K	56.0	134	161	1.02	0.82	1.62
THTB0608-680K	68.0	163	196	0.96	0.77	1.47
THTB0608-820K	82.0	239	287	0.86	0.69	1.22
THTB0608-101K	100	263	315	0.73	0.58	1.16
THTB0608-121K	120	298	358	0.67	0.54	1.09
THTB0608-151K	150	386	463	0.56	0.45	0.98
THTB0608-181K	180	443	531	0.59	0.47	0.89
THTB0608-221K	220	530	636	0.56	0.45	0.82
THTB0608-271K	270	653	783	0.46	0.37	0.74
THTB0608-331K	330	789	947	0.42	0.34	0.67
THTB0608-391K	390	981	1,177	0.36	0.29	0.60
THTB0608-471K	470	1,104	1,325	0.35	0.28	0.55
THTB0608-561K	560	1,356	1,627	0.32	0.26	0.50
THTB0608-681K	680	1,561	1,873	0.29	0.23	0.46
THTB0608-821K	820	1,881	2,257	0.27	0.22	0.42
THTB0608-102K	1,000	2,404	2,885	0.26	0.21	0.38

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:

