

THTB Series

Through-hole Inductor

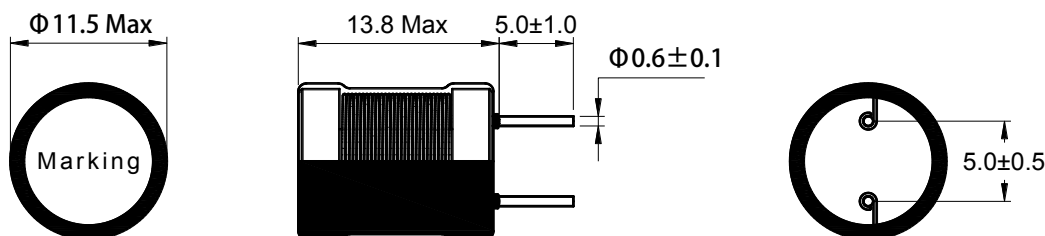
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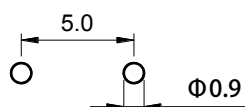
FEATURES

- 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	
THTB0912-100K	10.0	17.7	21.2	4.80	3.84	5.60
THTB0912-120K	12.0	19.1	22.9	4.70	3.76	5.37
THTB0912-150K	15.0	22.4	26.9	4.40	3.52	4.96
THTB0912-180K	18.0	25.3	30.4	4.10	3.28	4.73
THTB0912-220K	22.0	28.2	33.8	3.20	2.56	4.43
THTB0912-270K	27.0	32.3	38.8	3.10	2.48	4.13
THTB0912-330K	33.0	41.1	49.3	2.80	2.24	3.66
THTB0912-390K	39.0	45.2	54.3	2.70	2.16	3.49

Part No.	Inductance (μH) $\pm 10\%$	D.C.R. ($\text{m}\Omega$)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
THTB0912-470K	47.0	57.7	69.3	2.35	1.88	3.05
THTB0912-560K	56.0	63.7	76.4	2.10	1.68	2.97
THTB0912-680K	68.0	71.4	85.7	2.00	1.60	2.78
THTB0912-820K	82.0	91.4	110	1.90	1.52	2.36
THTB0912-101K	100	105	125	1.65	1.32	2.21
THTB0912-121K	120	139	167	1.55	1.24	1.94
THTB0912-151K	150	162	195	1.45	1.16	1.84
THTB0912-181K	180	183	220	1.32	1.06	1.73
THTB0912-221K	220	231	278	1.15	0.92	1.54
THTB0912-271K	270	262	315	1.08	0.86	1.45
THTB0912-331K	330	333	399	0.97	0.78	1.27
THTB0912-391K	390	408	490	0.88	0.70	1.13
THTB0912-471K	470	477	572	0.82	0.66	1.08
THTB0912-561K	560	578	694	0.74	0.59	0.96
THTB0912-681K	680	722	866	0.61	0.49	0.87
THTB0912-821K	820	810	972	0.56	0.45	0.83
THTB0912-102K	1,000	1,093	1,312	0.48	0.38	0.69

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:

