

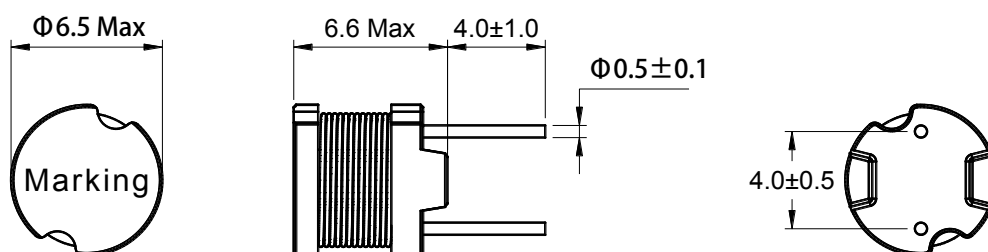
THNB Series Through-hole Inductor Size 0606



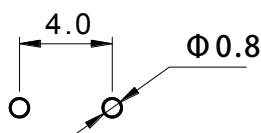
FEATURES

- 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)

Dimensions: [mm]



Land Pattern: [mm]



Schematic:



Electrical Properties:

Part No.	Inductance (μ H)	D.C.R. (m Ω)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
THNB0606-1R2M	1.20 $\pm$ 20%	10.5	12.6	8.00	6.40	5.64
THNB0606-2R2M	2.20 $\pm$ 20%	13.8	16.5	6.00	4.80	4.70
THNB0606-3R3M	3.30 $\pm$ 20%	17.0	20.5	5.40	4.32	4.21
THNB0606-4R7M	4.70 $\pm$ 20%	22.6	27.1	4.15	3.32	3.64
THNB0606-6R8M	6.80 $\pm$ 20%	27.5	33.0	3.70	2.96	3.43
THNB0606-8R2M	8.20 $\pm$ 20%	31.4	37.7	3.25	2.60	3.18
THNB0606-100K	10.0 $\pm$ 10%	37.6	45.1	3.00	2.40	2.91
THNB0606-120K	12.0 $\pm$ 10%	41.9	50.3	2.75	2.20	2.87
THNB0606-150K	15.0 $\pm$ 10%	54.3	65.2	2.38	1.90	2.44

Part No.	Inductance (μH)	D.C.R. (m Ω)		Saturation current (A)		Temperature rise current (A) Typical
		Typical	Max	Typical	Max	
THNB0606-180K	18.0 $\pm$ 10%	59.9	71.9	2.30	1.84	2.19
THNB0606-220K	22.0 $\pm$ 10%	77.7	93.2	2.00	1.60	1.97
THNB0606-270K	27.0 $\pm$ 10%	87.9	105	1.80	1.44	1.84
THNB0606-330K	33.0 $\pm$ 10%	110	132	1.71	1.37	1.65
THNB0606-390K	39.0 $\pm$ 10%	134	161	1.52	1.22	1.48
THNB0606-470K	47.0 $\pm$ 10%	152	182	1.26	1.01	1.44
THNB0606-560K	56.0 $\pm$ 10%	173	208	1.22	0.98	1.31
THNB0606-680K	68.0 $\pm$ 10%	213	255	1.18	0.94	1.19
THNB0606-820K	82.0 $\pm$ 10%	254	304	1.08	0.86	1.09
THNB0606-101K	100 $\pm$ 10%	336	403	0.95	0.76	0.92
THNB0606-121K	120 $\pm$ 10%	419	503	0.84	0.67	0.85
THNB0606-151K	150 $\pm$ 10%	487	584	0.78	0.62	0.78
THNB0606-181K	180 $\pm$ 10%	544	653	0.70	0.56	0.74
THNB0606-221K	220 $\pm$ 10%	694	833	0.65	0.52	0.65
THNB0606-271K	270 $\pm$ 10%	845	1,014	0.61	0.49	0.55
THNB0606-331K	330 $\pm$ 10%	1,061	1,273	0.53	0.42	0.49
THNB0606-391K	390 $\pm$ 10%	1,192	1,430	0.49	0.39	0.46
THNB0606-471K	470 $\pm$ 10%	1,431	1,717	0.45	0.36	0.42
THNB0606-561K	560 $\pm$ 10%	1,603	1,924	0.42	0.34	0.40
THNB0606-681K	680 $\pm$ 10%	2,215	2,658	0.37	0.30	0.36
THNB0606-821K	820 $\pm$ 10%	2,521	3,025	0.33	0.26	0.33
THNB0606-102K	1,000 $\pm$ 10%	3,472	4,166	0.30	0.24	0.27

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:

