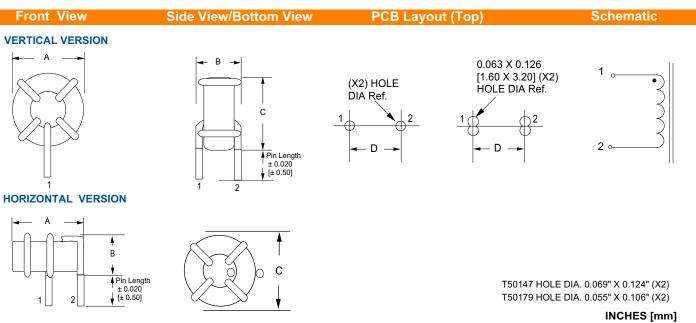
Power Inductors Shielded - THT Toroidal 13 mm POWER INDUCTORS (TTIB1306 Series)



MAX. DIM : L = 19.05 mm W= 12.50 mm H = 16.51 mm

- For use in high frequency DC/DC converters.
- Low radiation.
- Low core loss
- Current handling up to 31 Amps.
- Energy storage of 380 µJ.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS VERTICAL VERSION

FALCO PART	RoHS PART	OCL(µH) ¹	TOL	DCR	I rating ²	A max.	B max.	C max.	D Ref.	· J·	Hole Dia.
NUMBER	V NUMBER			(Ω max)	(Amp)	in / mm	in / mm	in / mm	in / mm	in / mm	in / mm
	T50180	0.400	± 25%	0.00100	31.00	0.669 / 17.00	0.492 / 12.50	0.610 / 15.50	0.354 / 9.00	0.157 / 4.00	0.104 / 2.64
	*T50147	0.570	± 15%	0.00096	**28.00	0.689 / 17.50	0.417 / 10.60	0.630 / 16.00	0.354 / 9.00	0.130 / 3.30	
*T50023	T5L023	0.828	± 15%	0.00114	30.50	0.690 / 17.53	0.470 / 11.94	0.620 / 15.75	0.375 / 9.53	0.250 / 6.35	
T50022		0.828	± 12%	0.00135	25.20	0.750 / 19.05	0.450 / 11.43	0.650 / 16.51	0.360 / 9.14	0.250 / 6.35	0.076 / 1.93
	*T50179	1.100	± 20%	0.00200	23.00	0.689 / 17.50	0.472 / 12.00	0.610 / 15.50	0.335 / 8.51	0.157 / 4.00	
*T50163		1.130	± 15%	0.00135	26.00	0.690 / 17.53	0.470 / 11.94	0.620 / 15.75	0.375 / 9.53	0.250 / 6.35	
	T50166	1.860	± 15%	0.00264	**22.00	0.700 / 17.78	0.450 / 11.43	0.630 / 16.00	0.350 / 8.89	0.126 / 3.20	0.069 / 1.75
	T50103	2.300	± 20%	0.00550	12.50	0.709 / 18.00	0.394 / 10.00	0.630 / 16.00	0.338 / 8.58	0.157 / 4.00	0.048 / 1.22

HORIZONTAL VERSION

FALCO PART NUMBER	RoHS PART	OCL(µH) ¹	TOL	DCR (Ω max)	I rating ² (Amp)	A max. in / mm	B max. in / mm	C max. in / mm	D Ref. in / mm	Pin Length in / mm	Hole Dia. in / mm
	T5H166	1.860	± 15%	0.00264	**22.00	0.720 / 18.29	0.450 / 11.43	0.720 / 18.29	0.270 / 6.86	0.134 / 3.40	0.069 / 1.75

* Part is bifillar wound ** ∆T = 40°C



RoHS COMPLIANT PRODUCT

1. Inductance tested at 100 KHz $\,$ 0.25 V.

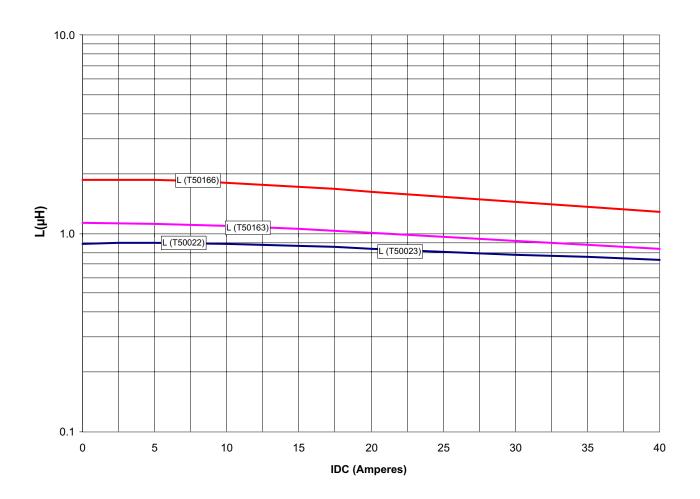
2. Temperature rise is 45°C Typ.

3. Operating Temp. range -40° to +105°C.

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Inductance vs Current





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