## **Power Inductors Shielded - THT Toroidal 11 mm**

**POWER INDUCTORS** 

### (TTID1104 Series)





MAX. DIM: L = 16.76 mm W= 10.16 mm H = 16.00 mm

- For use in high frequency DC/DC converters.
- Low radiation.
- Low core loss
- Current handling up to 15 Amps.
- Vertical and horizontal mounting versions available.
- Energy storage of 195 µJ.

### **MECHANICAL SPECIFICATIONS**

## Front View Side View/Bottom View PCB Layout (Top) **Schematic VERTICAL VERSION** \_ A В (X2) HOLE DIA Ref. A Pin Length ± 0.020 [± 0.50] HORIZONTAL VERSION APin Length ± 0.020 • [± 0.50] T04407 & T04414 PIN TOL. ± 0.030 [± 0.76 mm] INCHES [mm]

# ELECTRICAL SPECIFICATIONS VERTICAL VERSION

FALCO PART NUMBER	RoHS PART NUMBER	OCL(µH) <sup>1</sup>	TOL	DCR (Ω max)	I rating <sup>2</sup> (Amp)	A max. in / mm	-	C max. in / mm	D Ref. in / mm	Pin Length in / mm	Hole Dia. in / mm
T04409		0.875	± 20%	0.0030	8.00	0.511 / 12.98	0.275 / 6.98	0.511 / 12.98	0.283 / 7.19	0.138 / 3.50	0.051 / 1.30
	T04L09	0.875	± 20%	0.0040	8.00	0.511 / 12.98	0.275 / 6.98	0.511 / 12.98	0.283 / 7.19	0.250 / 6.35	0.051 / 1.30
	T04454	1.200	± 25%	0.0038	12.00	0.591 / 15.00	0.295 / 7.50	0.531 / 13.50	0.236 / 6.00	0.157 / 4.00	0.049 / 1.24
T04407		**1.260	± 10%	0.0016	*12.00	0.660 / 16.76	0.400 / 10.16	0.580 / 14.73	0.320 / 8.13	0.250 / 6.35	0.067 / 1.70
T04414		1.720	± 20%	0.0040	12.50	0.630 / 16.00	0.400 / 10.16	0.630 / 16.00	0.299 / 7.60	0.250 / 6.35	0.053 / 1.35
T04438	T04L38	1.720	± 15%	0.0030	15.00	0.580 / 14.73	0.280 / 7.10	0.520 / 13.20	0.216 / 5.48	0.150 / 3.81	0.052 / 1.32
	T04470	**2.240	± 13%	0.0033	10.00	0.550 / 14.00	0.275 / 7.00	0.550 / 14.00	0.236 / 6.00	0.147 / 3.75	0.049 / 1.24

\*  $\Delta T = 15$ °C

### HORIZONTAL VERSION

FALCO PART NUMBER	RoHS PART NUMBER	OCL(µH) <sup>1</sup>	TOL	DCR (Ω max)	I rating <sup>2</sup> (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
	T04450	10.00	± 15%	0.0108	6.50	0.570 / 14.50	0.315 / 8.00	0.570 / 14.50	0.177 / 4.50	0.138 / 3.50	0.042 / 1.07
	T04468	***1.70	±15%	0.0034	15.00	0.625 / 15.88	0.345 / 8.76	0.625 / 15.88	0.160 / 4.05	0.120 / 3.05	0.055 / 1.15



**RoHS COMPLIANT PRODUCT** 

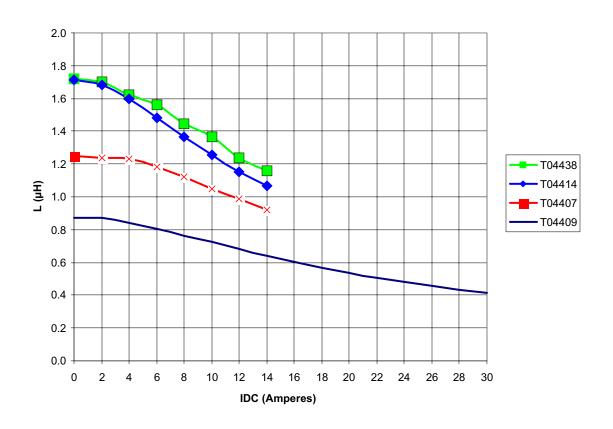
- 1. Inductance tested at 100 KHz 0.25 V, \*\*10KHz 0.25 V. \*\*\*100KHz, 0.1V
- 2. Temperature rise is 40°C Typ.
- 3. Operating Temp. range -40° to +105°C.

1-2 TTID1104.PDF REV: B2 05/06

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## **Inductance vs Current**





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