

# 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  $\mu$ J.

## MECHANICAL SPECIFICATIONS

Front View	Side View/Bottom View	PCB Layout (Top)	Schematic
<b>VERTICAL VERSION</b>			
<b>HORIZONTAL VERSION</b>			

T04407 & T04414 PIN TOL.  $\pm 0.030$  [ $\pm 0.76$  mm]      INCHES [mm]

## ELECTRICAL SPECIFICATIONS

### VERTICAL VERSION

FALCO PART NUMBER	RoHS PART NUMBER	OCL( $\mu$ H) <sup>1</sup>	TOL	DCR ( $\Omega$ 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
T04409		0.875	$\pm 20\%$	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	$\pm 20\%$	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	$\pm 25\%$	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	$\pm 10\%$	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	$\pm 20\%$	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	$\pm 15\%$	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	$\pm 13\%$	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

\*  $\Delta T = 15^\circ C$

### HORIZONTAL VERSION

FALCO PART NUMBER	RoHS PART NUMBER	OCL( $\mu$ H) <sup>1</sup>	TOL	DCR ( $\Omega$ 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	$\pm 15\%$	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	$\pm 15\%$	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 0.25V. \*\*\*100KHz, 0.1V
2. Temperature rise is  $40^\circ C$  Typ.
3. Operating Temp. range  $-40^\circ$  to  $+105^\circ C$ .

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## Inductance vs Current

