

# Power Inductors Shielded - THT Toroidal 7 mm

POWER INDUCTOR

(TTIC0704 Series)

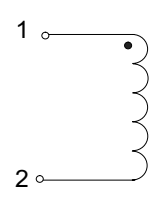
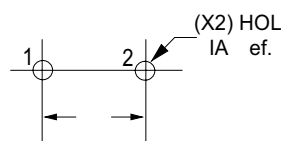
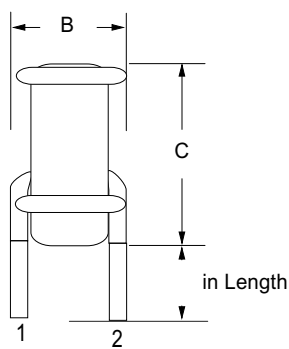
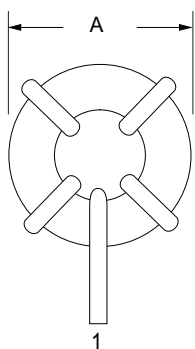


**M X. DIM :**  
**= 9.65 mm**  
**W= 8.00 mm**  
**= 9.65 mm**

- or use in high frequency C/ C converters.
- Low radiation.
- Low core loss
- Current handling up to 23 Am s.
- Energy storage of 40 μJ.

## MECHANICAL SPECIFICATIONS

### Front View Side View PCB layout (Top) Schematic



SIZE [mm]

## ELECTRICAL SPECIFICATIONS

FACTORY PART NUMBER	RoHS PART NUMBER	OC (μH) <sup>1</sup>	TO	DCR (ma)	I rating <sup>2</sup> (mp)	ma . in / mm	B ma . in / mm	C ma . in / mm	D Ref. in / mm	Pin length in / mm	Pin TO . in / mm	ole Dia. in / mm
T02521		0.130 ± 20%	0.0010	23.00	0.280 / 7.11	0.315 / 8.00	0.365 / 9.27	0.240 / 6.10	0.250 / 6.35	± 0.03 [0.76]	0.047 / 1.19	
T02507	*T02511	0.324 ± 15%	0.0026	13.00	0.380 / 9.65	0.280 / 7.11	0.300 / 7.62	0.185 / 4.70	0.134 / 3.40	± 0.02 [0.50]	0.038 / 0.97	
T02508		0.540 ± 15%	0.0030	12.00	0.380 / 9.65	0.280 / 7.11	0.380 / 9.65	0.185 / 4.70	0.250 / 6.35	± 0.02 [0.50]	0.038 / 0.97	
T02509	*T02512	0.870 ± 15%	0.0042	12.00	0.380 / 9.65	0.280 / 7.11	0.380 / 9.65	0.185 / 4.70	0.250 / 6.35	± 0.05 [1.27]	0.038 / 0.97	
T02503	T02513	1.210 ± 15%	0.0080	5.60	0.380 / 9.65	0.280 / 7.11	0.380 / 9.65	0.185 / 4.70	0.150 / 3.81	± 0.02 [0.50]	0.031 / 0.79	
T02604	T026L4	1.650 ± 15%	0.0106	9.00	0.370 / 9.40	0.250 / 6.35	0.330 / 8.38	0.185 / 4.70	0.250 / 6.35	± 0.03 [0.76]	0.031 / 0.79	
T02504	T025L4	4.850 ± 15%	0.0330	3.00	0.370 / 9.40	0.250 / 6.35	0.330 / 8.38	0.180 / 4.57	0.250 / 6.35	± 0.03 [0.76]	0.026 / 0.66	

\* IN LENGTH 3.5mm ±0.5



RoHS COMPLIANT PRODUCT

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

# Power Inductor High Inductance - THT Toroidal 7mm (TTIC070 Series)

## Inductance vs Current

