

Power Inductors Shielded - THT Toroidal 11 mm

POWER INDUCTORS

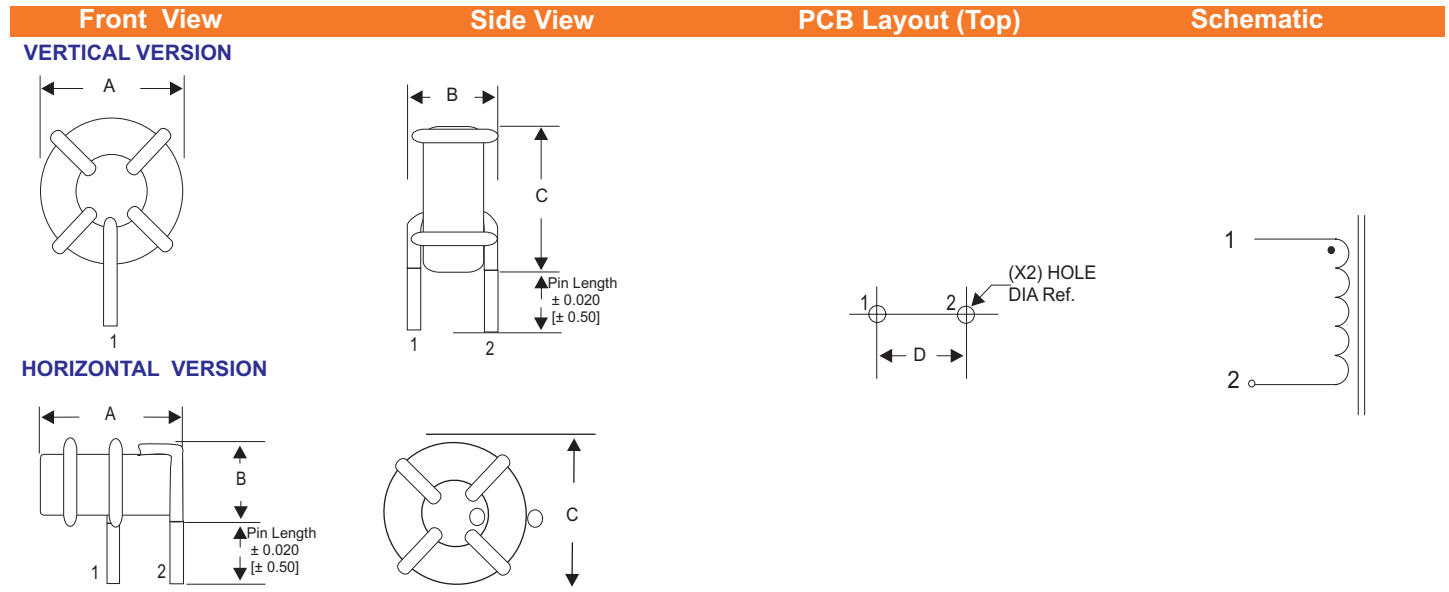
[T4460HT Series]



MAX. DIM :
L = 16.51mm
W = 10.16mm
H = 15.24mm

- For use in high frequency DC/DC converters.
- High operating temperature rise and low thermal aging.
- Low core loss
- Current handling up to 25 Amps.
- Energy storage of 200 μ J.

MECHANICAL SPECIFICATIONS



T04426 & T04429 PIN TOL. ± 0.030 [± 0.76 mm]

INCHES [mm]

ELECTRICAL SPECIFICATIONS

VERTICAL VERSION

FALCO PART NUMBER	RoHS PART NUMBER	OCL (μ H) ¹	TOL	DCR (m 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
*T04431		0.40	$\pm 20\%$	0.754	25.00	0.650 / 16.51	0.400 / 10.16	0.600 / 15.24	0.310 / 7.87	0.250 / 6.35	0.100 / 2.54
	T04420	1.00	$\pm 20\%$	2.200	18.00	0.591 / 15.00	0.315 / 8.00	0.551 / 14.00	0.256 / 6.50	0.130 / 3.30	0.081 / 2.06
	T04426	2.06	$\pm 20\%$	3.250	13.50	0.625 / 15.88	0.315 / 8.00	0.550 / 13.97	0.230 / 5.84	0.250 / 6.35	0.059 / 1.50
	**T04429	2.55	$\pm 20\%$	4.400	13.00	0.605 / 15.37	0.307 / 7.80	0.550 / 13.97	0.230 / 5.84	0.250 / 6.35	0.052 / 1.32

HORIZONTAL VERSION

FALCO PART NUMBER	RoHS PART NUMBER	OCL (μ H) ¹	TOL	DCR (m 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
	T04475	0.41	$\pm 10\%$	0.696	25.00	0.625 / 15.88	0.325 / 8.26	0.600 / 15.24	0.256 / 6.50	0.126 / 3.20	0.098 / 2.50
	T04474	1.63	$\pm 15\%$	2.600	14.50	0.620 / 15.75	0.325 / 8.26	0.620 / 15.75	0.230 / 5.84	0.138 / 3.50	0.094 / 2.40

T04420 & T04475 are trifilar wound.
 T04431 is quadrifilar wound.
 T04474 is bifilar wound.

1. Inductance tested at 100 KHz 0.25 V.
2. Temperature rise is 40°C Typ. * $\Delta T=45^\circ\text{C}$, ** $\Delta T=55^\circ\text{C}$.
3. Operating Temp. range -20°C to $+125^\circ\text{C}$.



RoHS COMPLIANT PRODUCT

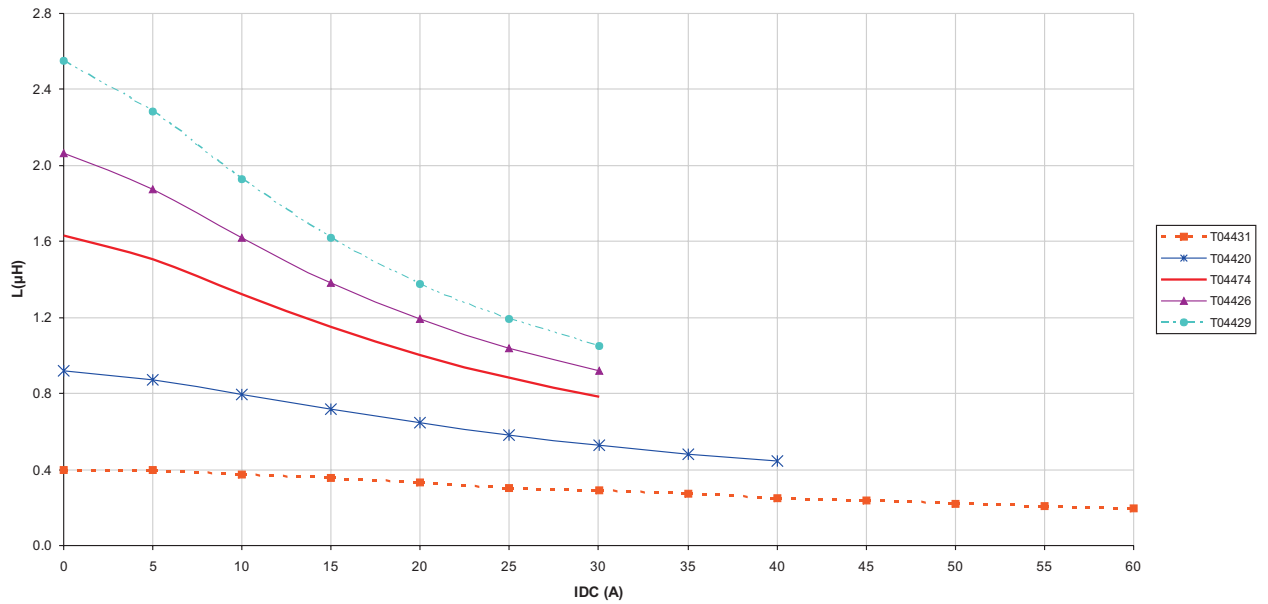
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Inductance vs Current

(T4460HT Series)



INDUCTANCE vs. CURRENT



TYPICAL TEMPERATURE RISE vs. CURRENT

