

Power Inductor 24 mm OD Drum Core

POWER MAGNETICS

(PID02420 Series)

FALCO
electronics

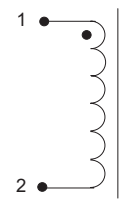
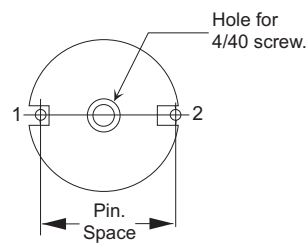
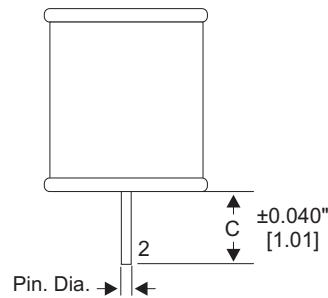
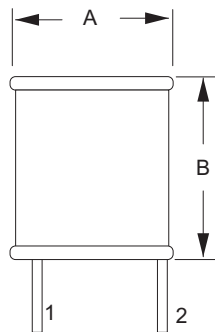


MAX. DIM :
L = 27.94 mm
W = 27.94 mm
H = 21.84 mm

- Used as output choke in switch mode power supplies, switching regulators and audio filters.
- Handle up to 13 Amps.
- Inductance available from 5.3 μH to 226 μH .
- Complies with UL, CSA, IEC standards.

MECHANICAL SPECIFICATIONS

Front View Side View PCB Layout (Top) Schematic



INCHES [mm]

ELECTRICAL SPECIFICATIONS

RoHS PART NUMBER	L(μH) ¹	TOL	Freq. (KHz)	DCR (Ω) max.	Isat (ADC) ² typ.	I _{rms} (amp) ³ max.	A max. in / mm	B max. in / mm	C nom. in / mm	Pin dia. in / mm	Pin space in / mm
D24005	100.0	±20%	10.0	0.0340	13.20	9.00	1.100 / 27.94	0.860 / 21.84	0.540 / 13.71	0.051 / 1.30	0.781 / 19.83
D24004	180.0	±20%	10.0	0.0720	9.70	5.50	1.100 / 27.94	0.860 / 21.84	0.540 / 13.71	0.039 / 1.00	0.781 / 19.83

1. Inductance tested at 0.25 V.
2. Inductance drop 10% typ. at Isat.
3. Temperature rise is 40°C Typ.
4. L and DCR tested at Ta=25°C.



RoHS COMPLIANT PRODUCT