

# Power Inductor 14 mm OD Drum Core (PID01420 Series)

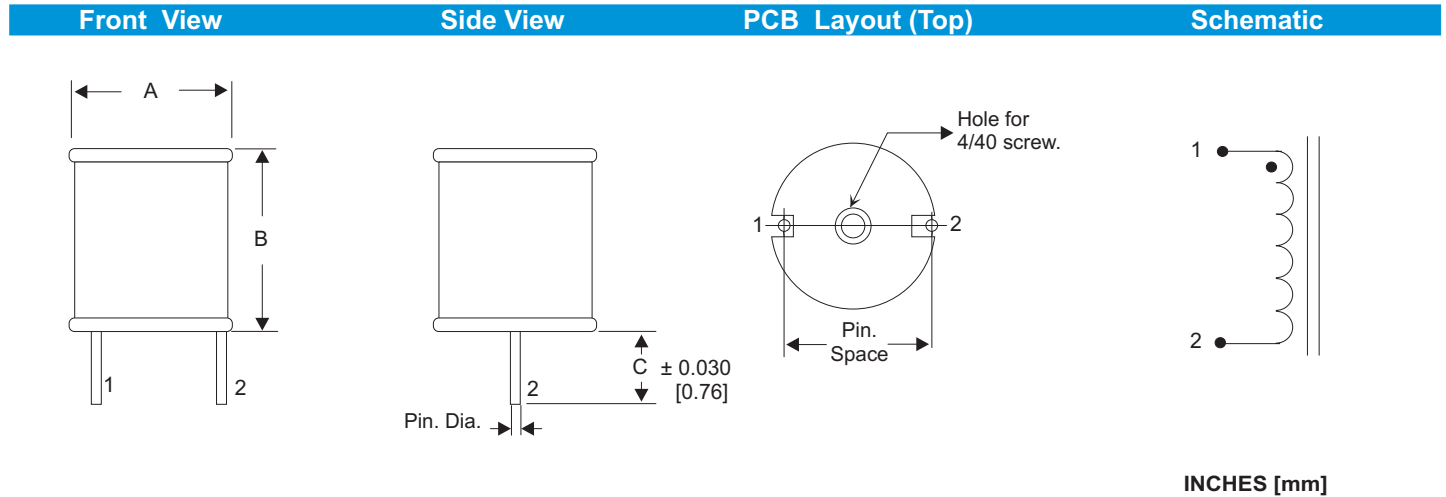
POWER MAGNETICS



**MAX. DIM :**  
**L = 16.48 mm**  
**W = 16.48 mm**  
**H = 21.49 mm**

- Used as output choke in switch mode power supplies, switching regulators and audio filters.
- Handle up to 14 Amps.
- Inductance available from 2.2  $\mu\text{H}$  to 220  $\mu\text{H}$ .
- Complies with UL, CSA, IEC standards.

## MECHANICAL SPECIFICATIONS



## ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	RoHS PART NUMBER	L( $\mu\text{H}$ ) <sup>1</sup> $\pm 10\%$	Freq. (kHz)	DCR ( $\Omega$ ) max.	Isat (ADC) <sup>2</sup> typ.	I <sub>rms</sub> (amp) <sup>3</sup> max.	A max. in / mm	B max. in / mm	C nom. in / mm	Pin dia. in / mm	Pin space in / mm
	D14002	22.00	1.0	0.018	14.00	9.10	0.576 / 14.63	0.835 / 21.21	0.250 / 6.35	0.039 / 1.00	0.475 / 12.06
D14001		30.50	10.0	0.028	12.00	5.00	0.576 / 14.63	0.835 / 21.21	0.250 / 6.35	0.035 / 0.90	0.475 / 12.06
D14004*		100.00	10.0	0.085	7.00	2.00	0.645 / 16.38	0.835 / 21.21	0.197 / 5.00	0.028 / 0.70	0.475 / 12.06
D14A04*		100.00	10.0	0.085	7.00	2.00	0.645 / 16.38	0.835 / 21.21	0.197 / 5.00	0.028 / 0.70	0.500 / 12.70
	D14L04	100.00	10.0	0.085	7.00	2.00	0.649 / 16.48	0.846 / 21.49	0.112 / 2.84	0.028 / 0.70	0.531 / 13.50
	D14005**	200.00	1.0	0.175	5.50	3.20	0.600 / 15.24	0.835 / 21.21	0.250 / 6.35	0.022 / 0.55	0.500 / 12.70
D14003		220.00	1.0	0.240	5.00	2.10	0.600 / 15.24	0.835 / 21.21	0.250 / 6.35	0.020 / 0.50	0.500 / 12.70

\* C DIMENSION TOLERANCE  $\pm 0.020$  [0.50]

1. Inductance L tested at 0.25 V. \*\*L TOLERANCE  $\pm 15\%$
2. Inductance drop 10% typ. at Isat.
3. Temperature rise is 40°C Typ at rated current.
4. L and DCR tested at Ta= 25°C.



RoHS COMPLIANT PRODUCT