

Power Inductor 9 mm OD Rod Core

[PIS00941 Series]

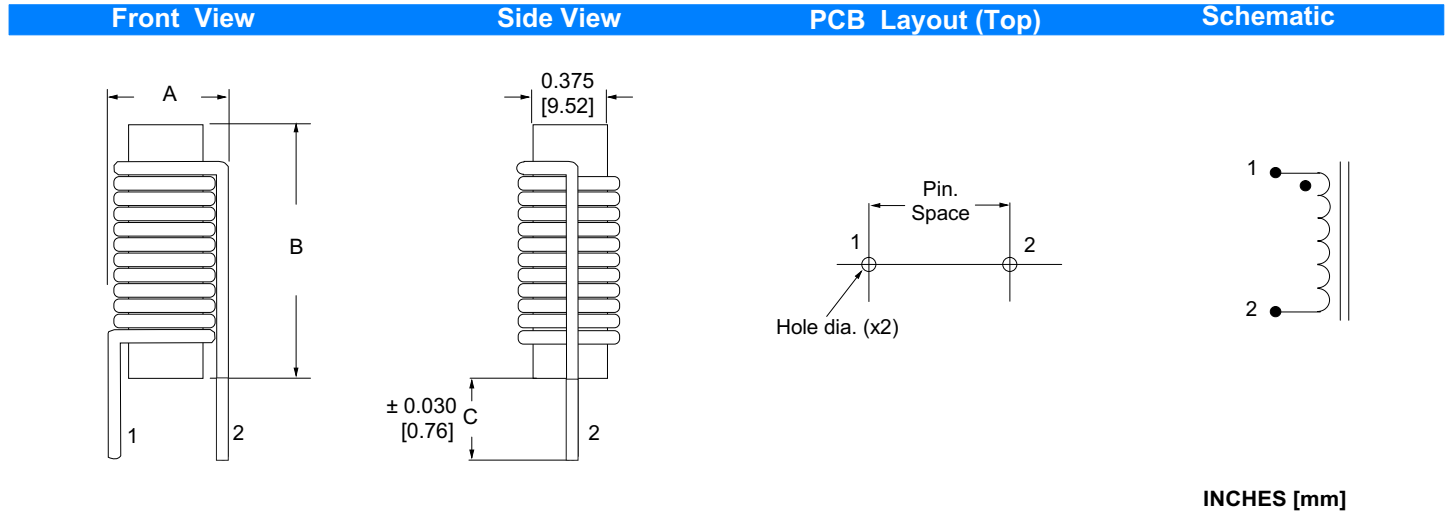
POWER MAGNETIC



MAX. DIM :
L = 17.14 mm
W = 17.14 mm
H = 38.61 mm

- Ideal for filtering in switch mode power supplies and RF.
- Current up to 20 Amps.
- Inductance from 22 μ H to 145 μ H.
- Custom inductance values are available.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS

PART NUMBER	L(μ H)	TOL	Freq. (KHz)	DCR () max.	Isat (ADC) typ.	Irms (amp) max.	A max. in / mm	B max. in / mm	C nom. in / mm	Hole dia. in / mm	Pin space in / mm
S37003	36.00	$\pm 10\%$	1.0	0.0252	15.00	7.00	0.675 / 17.14	1.200 / 30.48	0.250 / 6.35	0.06 / 1.52	0.510 / 12.95
S37160	38.00	$\pm 10\%$	1.0	0.0110	20.00	10.00	0.675 / 17.14	1.520 / 38.61	0.250 / 6.35	0.079 / 2.00	0.440 / 11.17

1. Inductance L tested at 0.25 V
2. Inductance drop 10% typ. at Isat.
3. Temperature rise is 45°C Typ at rated current.
4. L and DCR tested at Ta= 25°C.