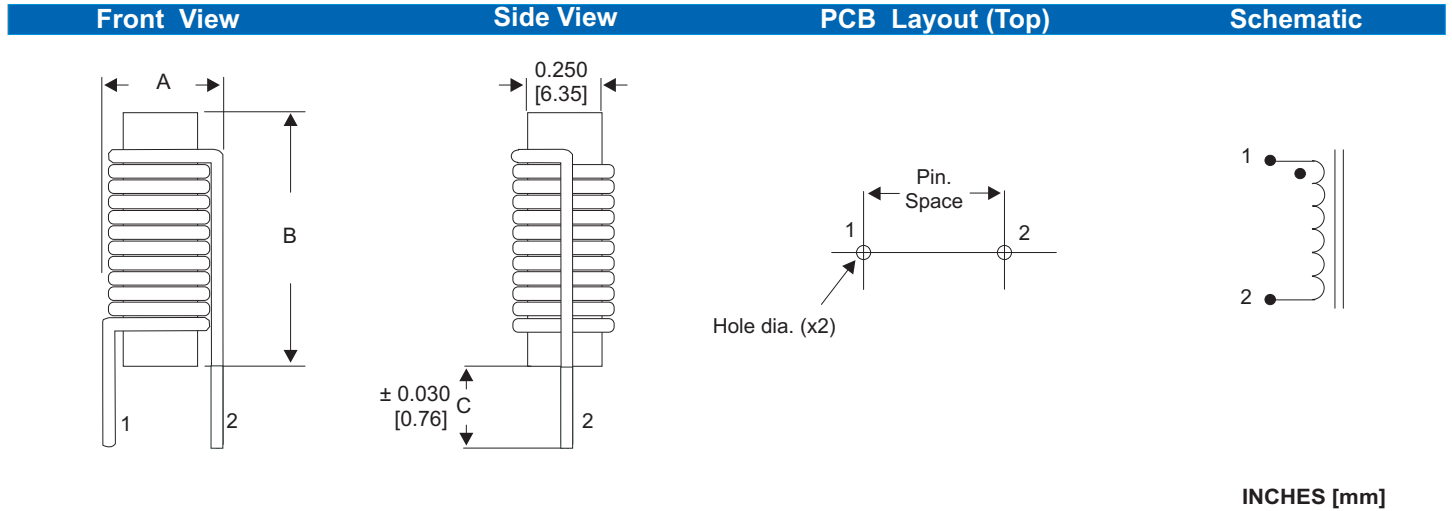




MAX. DIM :
L = 13.97 mm
W = 13.97 mm
H = 24.26 mm

- Ideal for filtering in switch mode power supplies and RF applications.
- Handle up to 10 Amps
- Inductance available from 5 μ H to 50 μ H.
- Economical design for easy PCB insertion.
- Custom inductance values are available.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	RoHS PART NUMBER	L(μ H) ¹	TOL	Freq. (KHz)	DCR (Ω) max.	Isat (ADC) ² typ.	Irms (amp) ³ max.	A max. in / mm	B max. in / mm	C nom. in / mm	Hole dia. in / mm	Pin space in / mm
S25801		12.75	± 10%	10.0	0.037	10.00	4.00	0.425 / 10.80	0.875 / 22.22	0.250 / 6.35	0.042 / 1.06	0.367 / 9.32
S25870		25.00	+20/-10%	1.0	0.030	10.80	4.00	0.430 / 10.92	0.955 / 24.26	0.210 / 5.33	0.042 / 1.06	0.420 / 10.67
S25803*	S258L3	25.00	+20/-10%	1.0	0.030	10.80	4.00	0.500 / 12.70	0.955 / 24.26	0.210 / 5.33	0.053 / 1.35	0.420 / 10.67
S25877**		50.00	± 10%	1.0	0.050	4.50	2.90	0.550 / 13.97	0.940 / 23.87	0.125 / 3.17	0.042 / 1.06	0.420 / 10.67

*S25803 IS A SHIELDED VERSION OF S25870
**TOLERANCE FOR C DIMENSION IS ± 0.020[0.51]

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.



RoHS COMPLIANT PRODUCT