Power Inductor 8 mm OD Bobbin Core Radial

POWER MAGNETICS

(PIB00810 Series)

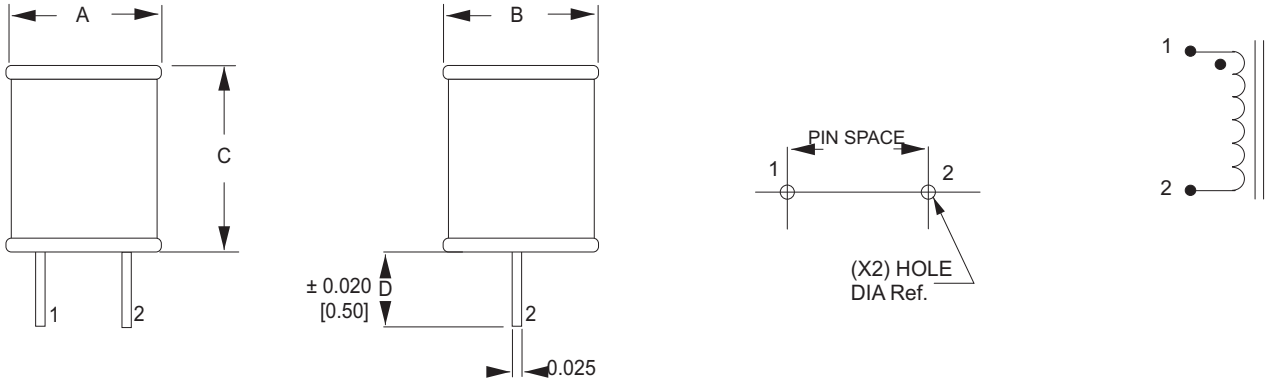
FALCO electronics

MAX. DIM :
L = 9.98 mm
W= 9.98 mm
H = 13.00 mm

- Suitable for filtering in RF and audio circuits.
- Winding encapsulated in heat shrink tube.
- High SRF and Q value.
- Inductance from 2.2 µH to 1.5 mH.

MECHANICAL SPECIFICATIONS

Front View	Side View	PCB Layout (Top)	Schematic



INCHES [mm]

ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	ROHS PART NUMBER	L(µH)[1]	TOL	Freq. (KHz)	DCR (Ω) max .	Irms (amp)[2] max.	A max. in / mm	B max. in / mm	C max. in / mm	D nom. in / mm	Hole Dia. in / mm	Pin space in / mm
B02009		2.2	± 20%	10.0	0.0078	7.200	0.390 / 9.91	0.390 / 9.91	0.512 / 13.00	0.250 / 6.35	0.033 / 0.838	0.197 / 5.00
B02024		3.3	± 20%	10.0	0.0250	5.800	0.355 / 9.02	0.355 / 9.02	0.435 / 11.05	0.197 / 5.00	0.036 / 0.914	0.197 / 5.00
B02013	B02L13	4.7	± 20%	10.0	0.0300	3.100	0.390 / 9.91	0.390 / 9.91	0.492 / 12.50	0.197 / 5.00	0.036 / 0.914	0.197 / 5.00
B02005		10.0	± 10%	1.0	0.0450	1.960	0.350 / 8.89	0.350 / 8.89	0.433 / 11.00	0.197 / 5.00	0.041 / 1.041	0.197 / 5.00
B02010	B02L10	10.0	± 10%	100.0	0.0330	3.200	0.326 / 8.28	0.326 / 8.28	0.429 / 10.90	0.250 / 6.35	0.035 / 0.889	0.197 / 5.00
B02011		18.0	± 10%	1.0	0.0440	2.200	0.393 / 9.98	0.393 / 9.98	0.473 / 12.01	0.610 / 15.49	0.035 / 0.889	0.197 / 5.00
	B02028	33.0	± 10%	100.0	0.0500	1.400	0.393 / 9.98	0.393 / 9.98	0.511 / 12.98	0.157 / 4.00	0.039 / 0.991	0.196 / 4.98
	B02026	47.0	± 10%	2.5	0.1600	**1.400	0.374 / 9.50	0.374 / 9.50	0.433 / 11.00	*0.197 / 5.00	0.038 / 0.965	0.197 / 5.00
B02004		150.0	± 10%	100.0	0.2800	-----	0.393 / 9.98	0.393 / 9.98	0.500 / 12.70	0.393 / 9.98	0.035 / 0.889	0.196 / 4.98
B02012	B02L12	220.0	± 10%	1.0	0.4900	1.300	0.374 / 9.50	0.374 / 9.50	0.473 / 12.01	0.610 / 15.49	0.035 / 0.889	0.197 / 5.00
B02003		680.0	± 10%	1.0	1.2000	0.350	0.355 / 9.02	0.355 / 9.02	0.435 / 11.05	0.197 / 5.00	0.041 / 1.041	0.197 / 5.00
B02002		1500.0	± 10%	1.0	2.8000	0.250	0.355 / 9.02	0.355 / 9.02	0.435 / 11.05	0.197 / 5.00	0.041 / 1.041	0.197 / 5.00

* PIN #1 is 0.315" [8.0mm] of large.

1. Inductance tested at 0.25 V.
2. Temperature rise is 40°C Typ., **20°C Typ.
3. L and DCR tested at Ta=25°C.

RoHS COMPLIANT PRODUCT

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