

Common Mode Choke UU 9 mm

POWER MAGNETICS

(CMU09H Series)

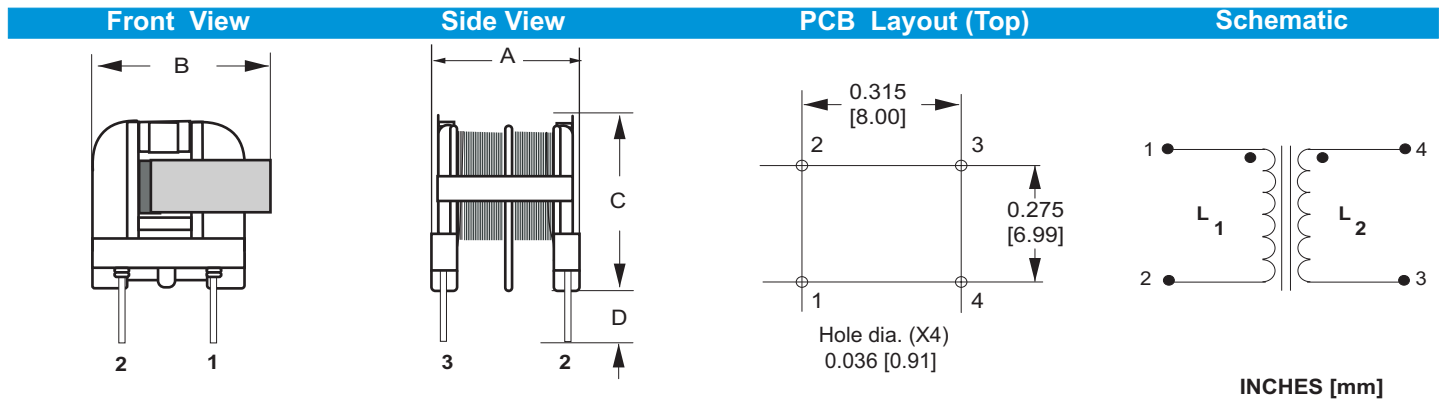
FALCO
electronics



MAX. DIM :
L = 17.02 mm
W = 15.75 mm
H = 12.70 mm

- Frequency range from 50 KHz to 500 KHz.
- Current ratings up to 1.0 Amp.
- Excellent attenuation in common mode.
- Inductance values from 0.5 mH to 100 mH.
- 3 mm of creepage between windings.
- Parts meet UL, IEC950 & VDE safety standards.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS

STANDARD Z RANGE - UU9 5K

FALCO PART NUMBER	RoHS PART NUMBER	L(mH) ¹ min.	Freq. (KHz)	DCR (Ω) max.	Irms (Amp) ²	A max. in / mm	B max. in / mm	C max. in / mm	D min. in / mm
U09A04*		18.00	1.0	8.000	0.100	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.157 / 3.99

MEDIUM Z RANGE - UU9 7K

FALCO PART NUMBER	RoHS PART NUMBER	L(mH) ¹ min.	Freq. (KHz)	DCR (Ω) max.	Irms (Amp) ²	A max. in / mm	B max. in / mm	C max. in / mm	D min. in / mm
U09A02		54.00	1.0	6.000	---	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97

HIGH Z RANGE - UU9 10K

FALCO PART NUMBER	RoHS PART NUMBER	L(mH) ¹ min.	Freq. (KHz)	DCR (Ω) max.	Irms (Amp) ²	A max. in / mm	B max. in / mm	C max. in / mm	D min. in / mm
U09A06		0.50	1.0	0.088	1.000	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A07		0.70	1.0	0.102	0.900	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A08		0.80	1.0	0.137	0.800	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A09		1.00	1.0	0.155	0.700	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A10		1.50	1.0	0.226	0.600	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A11		2.50	1.0	0.380	0.500	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A12		3.50	1.0	0.550	0.400	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A13		6.00	1.0	0.937	0.300	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A14	U09018	10.00	1.0	3.500	0.250	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A15	U09A03**	22.00	1.0	3.700	0.250	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A16		30.00	1.0	4.116	0.100	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97
U09A17	U09019	100.00	1.0	12.000	0.085	0.670 / 17.02	0.620 / 15.75	0.500 / 12.7	0.117 / 2.97

**1.5 mm of creepage between windings.

1. Inductance tested at 0.25 V. * tested at 1.0 V.**tested at 0.1V
2. Temperature rise is 40°C Typ.
3. Operating Temp. range -40° to +105°C.
4. OCL and DCR tested at Ta=25°C.



RoHS COMPLIANT PRODUCT

Common Mode Choke UU 9 mm

Impedance vs Frequency

(CMU09H Series)



Impedance vs. Frequency
CMU09H Series

