

Common Mode Choke ET24 - Horizontal

POWER MAGNETICS

(CMETY24H Series)

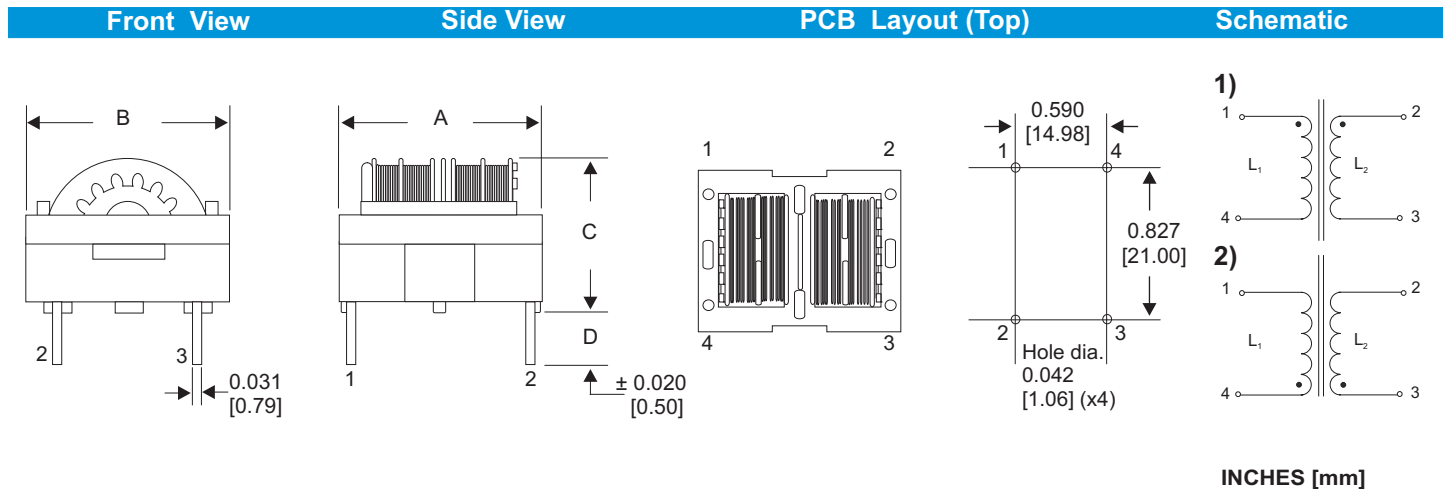
FALCO
electronics



MAX. DIM :
L = 25.00 mm
W = 26.00 mm
H = 20.50 mm

- For noise suppression in SMPS.
- Double square closed magnetic path circuit for minimal flux leakage.
- Small size & high impedance at high frequencies.
- Construction provides 3 mm creepage between coils.
- Dielectric strength of 1800 Vrms between windings.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS

MEDIUM Z RANGE - ET24 7K

FALCO PART NUMBER	RoHS PART NUMBER	L(mH) ¹ min.	Freq. (KHz)	LL(μH) ² max.	DCR (Ω) max.	I _{rms} (Amp) ³ max.	SRF (KHz) typ.	A max. in / mm	B max. in / mm	C max. in / mm	D min. in / mm	Schematic
	ET2405*	10.00	1.0	250.0	0.380	1.200	948.6	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	2
ET2403		12.00	10.0	300.0	0.540	0.900	650.0	0.984 / 25.00	1.024 / 26.00	0.807 / 20.50	0.140 / 3.55	1
ET2402		33.00	1.0	700.0	1.400	0.800	320.0	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1

HIGH Z RANGE - ET24 10K

FALCO PART NUMBER	RoHS PART NUMBER	L(mH) ¹ min.	Freq. (KHz)	LL(μH) ² max.	DCR (Ω) max.	I _{rms} (Amp) ³ max.	SRF (KHz) typ.	A max. in / mm	B max. in / mm	C max. in / mm	D min. in / mm	Schematic
ET2407		1.20	1.0	31.5	0.045	3.000	---	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2408		2.70	1.0	70.0	0.077	2.000	---	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2409		3.30	1.0	85.2	0.104	1.800	---	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2410		5.60	1.0	142.0	0.166	1.400	---	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2411		6.80	1.0	168.0	0.185	1.200	---	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2412		10.00	1.0	248.0	0.278	1.200	948.6	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2413		18.00	1.0	447.5	0.486	0.800	520.4	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2414		27.00	1.0	666.3	0.730	0.600	420.2	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2406		33.00	1.0	450.0	0.700	1.200	320.0	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2415		39.00	1.0	951.4	1.122	0.500	308.0	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1
ET2416		68.00	1.0	1648.0	1.860	0.400	237.8	0.984 / 25.00	0.984 / 25.00	0.807 / 20.50	0.140 / 3.55	1

1. Inductance L tested at 0.25 V. *At 1.00 V
2. LL tested at 10 KHz & 0.25 V. *At 1 KHz & 1.00 V
3. Temperature rise is 45°C Typ at rated current.
4. Operating Temp. range -25°C to +105°C.
5. L and DCR tested at Ta= 25°C.



RoHS COMPLIANT PRODUCT

Common Mode Choke ET24 - Horizontal

Impedance vs Frequency

(CMETY24H Series)

