

Common Mode Choke ET28 - Horizontal

POWER MAGNETICS

(ET28H Series)

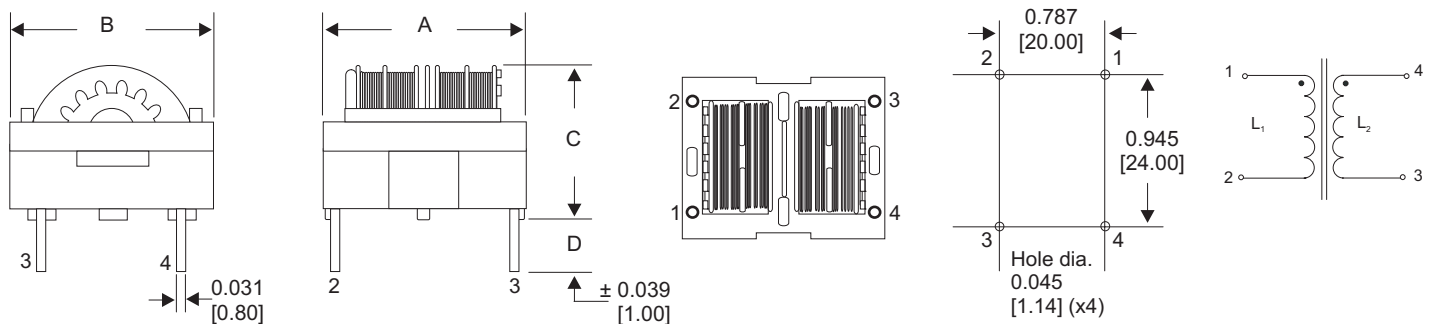


MAX. DIM :
L = 30.00 mm
W = 30.00 mm
H = 25.00 mm

- 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

Front View Side View Bottom View PCB Layout (Top) Schematic



INCHES [mm]

ELECTRICAL SPECIFICATIONS

STANDARD Z RANGE - ET28 5K

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 nom. in / mm
	ET2814*	68.00	1.0	1800.0	2.088	0.50	175.0	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00

MEDIUM Z RANGE - ET28 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 nom. in / mm
	ET2801	20.00	10.0	----	0.41	1.50	320.0	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00

HIGH Z RANGE - ET28 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 nom. in / mm
ET2804		1.00	10.0	24.2	0.029	3.40	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2805		1.50	10.0	33.0	0.035	3.10	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2806		2.70	10.0	55.0	0.048	2.60	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2807		3.30	10.0	66.8	0.056	2.50	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2808		4.70	10.0	103.2	0.089	2.00	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2809		8.20	10.0	174.0	0.144	1.70	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2803		10.5	10.0	200.0	0.150	2.80	680.0	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2802		18.0	10.0	300.0	0.360	1.30	350.0	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
	ET2811	22.0	10.0	238.0	0.285	1.00	533.0	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2812		39.0	10.0	790.0	0.600	0.70	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00
ET2813		68.0	10.0	1374.0	0.998	0.50	----	1.181 / 30.00	1.181 / 30.00	0.984 / 25.00	0.157 / 4.00

1. Inductance L tested at 0.25 V. *Tested at 0.1 V.
2. LL tested at 10 KHz & 0.25 V.
3. Temperature rise is 45°C Typ at rated current.
4. Operating Temp. range -25°C to +115°C.
5. L and DCR tested at Ta= 25°C.



RoHS COMPLIANT PRODUCT

