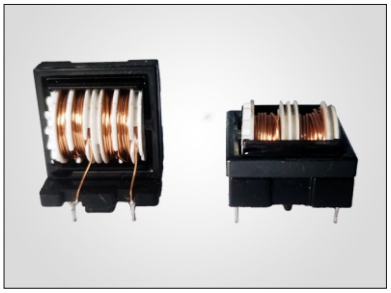
AC Common Mode Coil - ET24/28/35 Series

Meisongbei



Features

- Closed magnetic circuit
- Easy PCB mounting
- Custom designs are available

Applications

- Mains filter
- Switched mode power supplies
- White goods

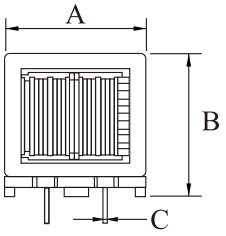
General Specifications

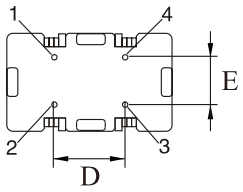
- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

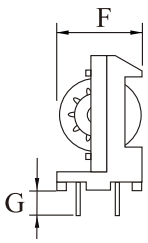
RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Shape and Dimensions (Unit:mm)

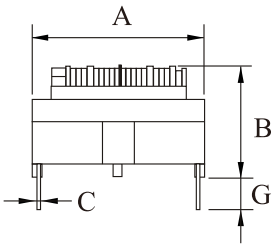
VARNISH

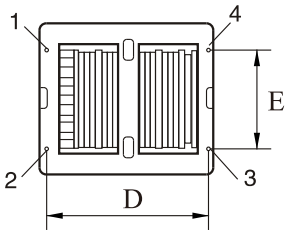


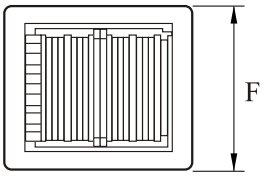




Type	A (max)	B (max)	C (±0.1)	D (±0.5)	E (±0.5)	F (max)	G (±1.0)
ET24V	26.0	31.0	Φ0.8	13	10	19.0	4
ET28V	30.5	36.0	Φ0.8	13	10	22.0	4
ET35V	37.0	45.0	Φ1.2	21	15	26.0	4

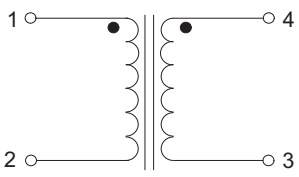






Type	A (max)	B (max)	C (±0.1)	D (±0.5)	E (±0.5)	F (max)	G (±1.0)
ET24H	26.0	22.0	Φ0.8	21	15	26.0	4
ET28H	30.0	26.0	Φ0.8	24	20	30.0	4
ET35H	37.0	28.5	Φ1.0	30	25	37.0	4

Schematic



Turns Ratio: 1:1

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Electrical Characteristics For ET24V / ET24H Series

Part Number	Part Number	Inductance [mH] 1-2/4-3 (min)	DCR (max) [Ω]	Rated Current [A]
ET24V-242	ET24H-242	2.4	0.09	2.5
ET24V-332	ET24H-332	3.3	0.11	2.0
ET24V-392	ET24H-392	3.9	0.15	1.8
ET24V-452	ET24H-452	4.5	0.19	1.5
ET24V-103	ET24H-103	10	0.38	1.2
ET24V-203	ET24H-203	20	0.64	1.0
ET24V-253	ET24H-253	25	0.88	0.8
ET24V-333	ET24H-333	33	1.20	0.6
ET24V-453	ET24H-453	45	1.65	0.5
ET24V-683	ET24H-683	68	2.30	0.4

Electrical Characteristics For ET28V / 28H Series

Part Number	Part Number	Inductance [mH] 1-2/4-3 (min)	DCR (max) [Ω]	Rated Current [A]
ET28V-182	ET28H-182	1.8	0.05	4.0
ET28V-332	ET28H-332	3.3	0.09	3.0
ET28V-472	ET28H-472	4.7	0.10	2.8
ET28V-562	ET28H-562	5.6	0.13	2.5
ET28V-802	ET28H-802	8	0.18	2.0
ET28V-123	ET28H-123	12	0.27	1.8
ET28V-203	ET28H-203	20	0.41	1.5
ET28V-253	ET28H-253	25	0.56	1.2
ET28V-353	ET28H-353	35	0.78	1.0

Electrical Characteristics For ET35V / 35H Series

Part Number	Part Number	Inductance[mH] 1-2/4-3 (min)	DCR (max) [Ω]	Rated Current [A]
ET35V-472	ET35H-472	4.7	0.07	4.0
ET35V-562	ET35H-562	5.6	0.08	3.5
ET35V-822	ET35H-822	8.2	0.11	3.0
ET35V-103	ET35H-103	10	0.14	2.7
ET35V-123	ET35H-123	12	0.17	2.5
ET35V-153	ET35H-153	15	0.21	2.2
ET35V-183	ET35H-183	18	0.23	2.0
ET35V-223	ET35H-223	22	0.29	1.8
ET35V-333	ET35H-333	33	0.42	1.5

- Inductance tested at 1kHz
- Hi-pot:AC2000V/5mA/2S (N1-N2)
- Rated Current: The current at which the temperature rise is 40°C