

Wire Wound Chip Common Mode Choke Coil

ACML-B Series

Operating Temp. : -40°C~+125°C



FEATURES:

- ⊙ Winding type realizes small size and low profile.
- ⊙ Prevention of common mode noise at high frequency.
- ⊙ AEC-Q200 verified.

APPLICATIONS:

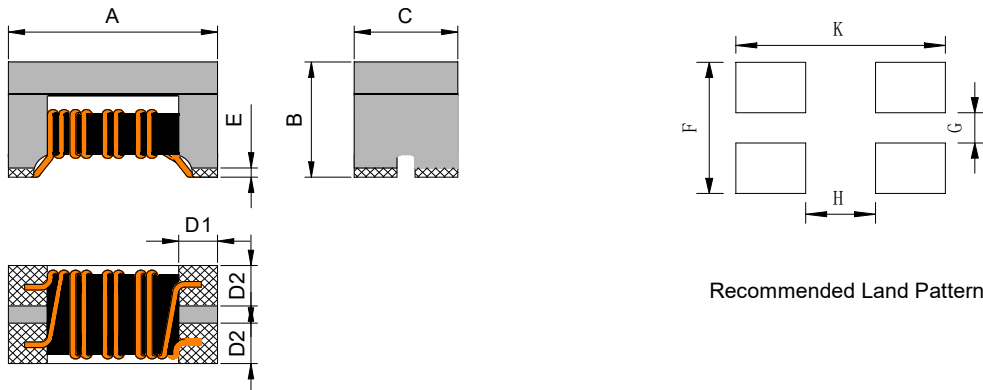
- ⊙ For automotive CAN-BUS system.

PART NUMBERING SYSTEM:

ACML 4532 B - 110 - 2P - T

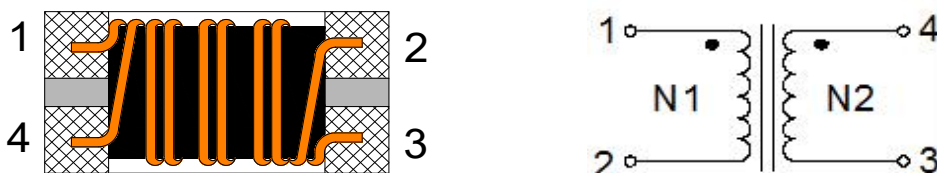
- ①: Automobile Type
- ②: External Dimensions (L*W:4.5*3.2mm)
- ③: CAN BUS
- ④: Inductance Value (110 = 11uH)
- ⑤: Number of line : 2
- ⑥: Packaging : T=Tape and reel

SHAPES AND DIMENSIONS: (Unit:mm)



SERIES	A	B	C	D1	D2	E	F	G	H	K
ACML3225B	3.2±0.2	2.5Max	2.5±0.2	0.8 Ref	0.8Ref	0.25Max	3.5Ref	0.6Ref	1.6 Ref	4.1Ref
ACML4532B	4.5±0.2	2.6±0.2	3.2±0.2	0.75 Ref	0.75Ref	0.5 Max	3.4Ref	1.6 Ref	2.9 Ref	5.5 Ref

SCHEMATIC:



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SPECIFICATION TABLE:

Part No.	Inductance (uH)	Test Frequency (KHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) Min.
ACML3225B-110-2P-T	11+50%/-30%	100	0.40	300	80	10
ACML3225B-220-2P-T	22+50%/-30%	100	0.50	250	80	10
ACML3225B-510-2P-T	51+50%/-30%	100	0.70	200	80	10
ACML3225B-101-2P-T	100+50%/-30%	100	2.00	150	80	10

ACML4532B Series

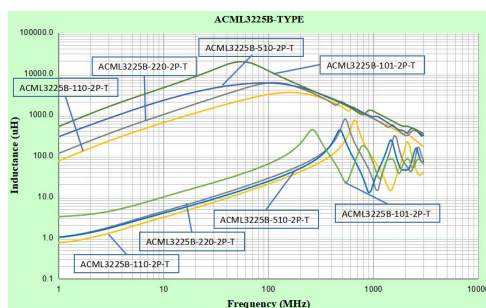
Part No.	Inductance (uH)	Test Frequency (KHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) Min.
ACML4532B-110-2P-T	11+50%/-30%	100	0.5	360	50	10
ACML4532B-220-2P-T	22+50%/-30%	100	0.8	310	50	10
ACML4532B-510-2P-T	51+50%/-30%	100	1.0	230	50	10
ACML4532B-101-2P-T	100+50%/-30%	100	2.0	200	50	10

- ⊙ Operating temperature range :-40℃~+125℃ (Including self - temperature rise)
- ⊙ Storage temperature range (packaging conditions): -10℃~40℃ RH 70% (Max.)
- ⊙ Rated Current (Irms)

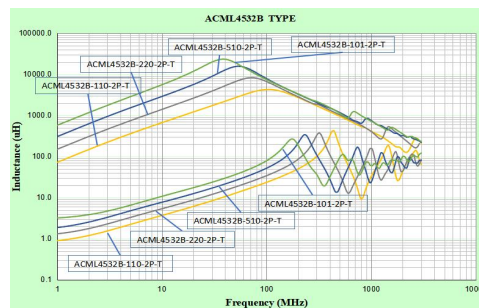
Irms is direct electric current as chip surface temperature rose just 20℃ or 40℃ against chip initial surface temperature (Ta);
 Temperature rise: Rated Current < 1A ΔT 20℃ Max, Rated Current ≥ 1A ΔT 40℃ Max

Impedance Vs Frequency Curve

TYPICAL ELECTRICAL CHARACTERISTICS:



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