

# Wire Wound Chip Common Mode Choke Coil

## ACML-E 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 Multimedia system, Ethernet, A2B.ect.

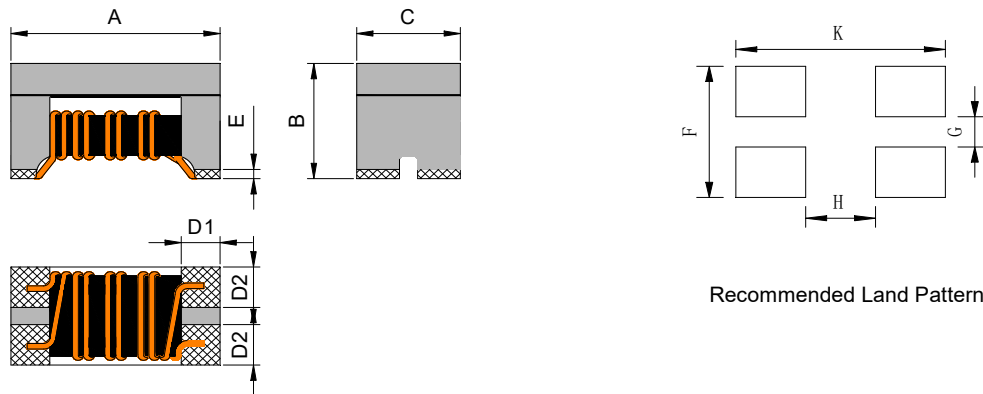
### PART NUMBERING SYSTEM:

**ACML** 4532 E - 201 - 2P - T

①            ②            ③            ④            ⑤            ⑥

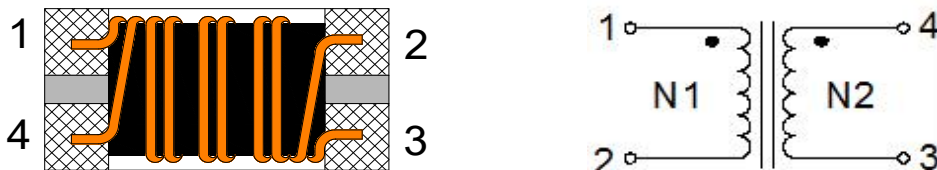
- ①: Automobile Type
- ②: External Dimensions (L\*W:4.5\*3.2mm)
- ③: Ethernet
- ④: Inductance Value ( 201 = 200uH)
- ⑤: Number of line : 2
- ⑥: Packaging : T=Tape and reel

### SHAPES AND DIMENSIONS: (Unit:mm)



SERIES	A	B	C	D1	D2	E	F	G	H	K
ACML3225E	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
ACML4532E	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:



**SPECIFICATION TABLE:**

**ACML3225E Series**

Part No.	Inductance (uH)	Test Frequency (KHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) Min.
ACML3225E-101-2P-T	100+50%/-30%	100	1.50	150	80	10
ACML3225E-201-2P-T	200+50%/-20%	100	4.50	70	80	10

**ACML4532E Series**

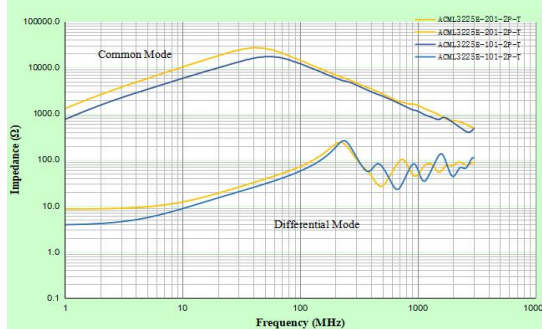
Part No.	Inductance (uH)	Test Frequency (KHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) Min.
ACML4532E-201-2P-T	200+50%/-25%	100	4.5	110	50	10

- ⦿ Operating temperature range : -40°C~125°C(Including self - temperature rise)
- ⦿ Storage temperature range (packaging conditions): -40°C~125°C RH 70% (Max.)
- ⦿ Rated Current (Irms)
 

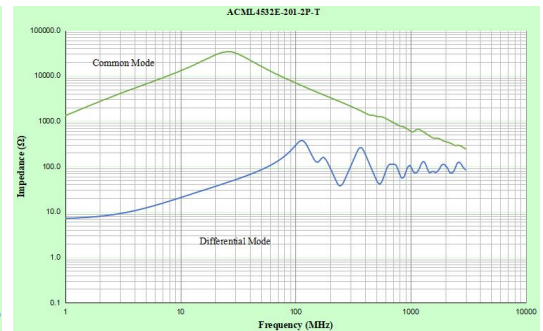
Irms is direct electric current as chip surface temperature rose just 20°C or 40°C against chip initial surface temperature (Ta); Temperature rise: Rated Current < 1A ΔT 20°C Max, Rated Current ≥ 1A ΔT 40°C Max

**TYPICAL ELECTRICAL CHARACTERISTICS:**

**Impedance Vs Frequency Curve**



ACML3225E Series



ACML4532E Series