

Wire Wound Chip Common Mode Choke Coil –ACML-F Series 片式绕线共模电感 Operating Temp. : -55°C~+150°C

● FEATURES 特性

1. 绕线工艺，小尺寸，低封装高度。
Winding type realizes small size and low profile.
2. 抑制高频共模噪音性能优良。
Prevention of common mode noise at high frequency.
3. 满足AEC-Q200认证. AEC-Q200 verified.



● APPLICATIONS 用途

1. 用于车载CAN-FD系统共模噪音滤除
Common mode noise filtering for Automotive CAN-FD system.

● PART NUMBERING SYSTEM 品名系统

ACML 4532 F - 101 - 2P - T
A B C D E F

A: Automobile Type 车载型号

B: External Dimensions 外形尺寸 A*C

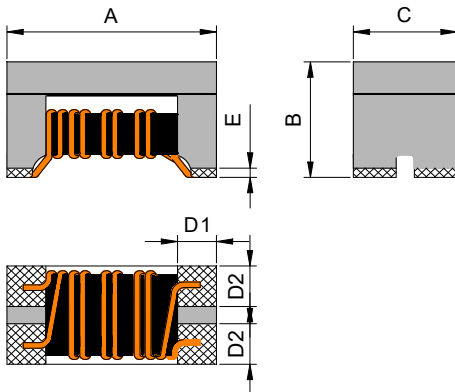
C: For CAN-FD system

D: Inductance Value (101 = 100uH)感值

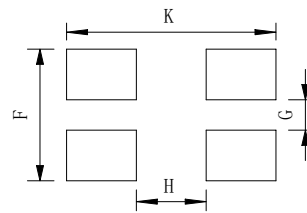
E: Number of line 2P : 2-Line

F: Packaging : T=Taping and reel 包装：载盘编带

● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



Recommended Land Pattern



TYPE(型号)	A	B	C	D1	D2	E	F	G	H	K
ACML3225F	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
ACML4532F	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

● **SPECIFICATION TABLE:**

ACML3225F Series

Part No.	Inductance(uH)	Test Frequency (KHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) Min.
ACML3225F-510-2P-T	51+50%/-30%	100	0.70	200	80	10
ACML3225F-101-2P-T	100+50%/-30%	100	2.50	150	80	10

ACML4532F Series

Part No.	Inductance(uH)	Test Frequency (KHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (MΩ) Min.
ACML4532F-101-2P-T	100+50%/-30%	100	2.0	200	50	10

1. Operating temperature range : -55℃ ~ 150℃ (Including self - temperature rise)
2. Storage temperature range (packaging conditions): -55℃ ~ 150℃ (Including self - temperature rise) and RH 70% (Max.)
3. Rated Current (Irms)

Irms is direct electric current as chip surface temperature rose just 20℃ or 40℃ against chip initial surface temperature (Ta)

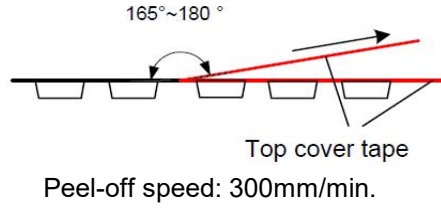
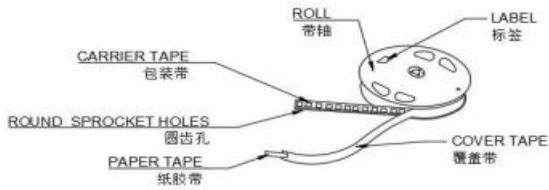
Temperature rise: Rated Current < 1A ΔT 20℃ Max

Rated Current ≥ 1A ΔT 40℃ Max

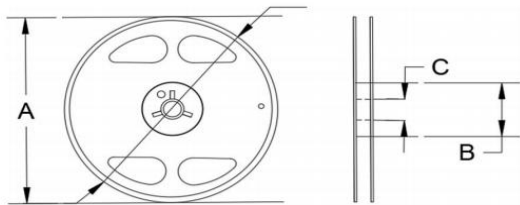
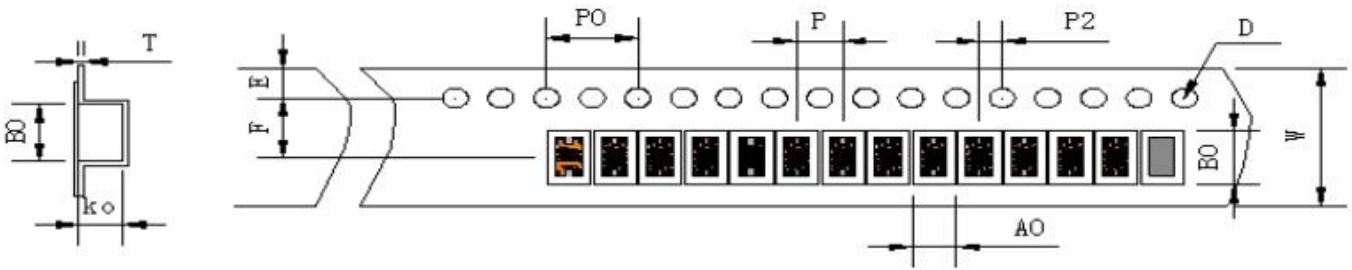
● **PACKAGING SPECIFICATION :**

1. Packaging - Cover Tape

The force for tearing off cover tape is 20 to 100 grams in the arrow direction.



2. Packaging - Tape & Reel



Item	Dimension
A	178±1
B	60±1
C	13±0.5

Type	Tape Dimension (mm)						Reel Dimension (mm)			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C	
ACML3225F	12	2.9	3.5	2.7	1.5	4	178	60	13	1000 pcs
ACML4532F	12	3.7	4.95	2.95	1.5	8	178	60	13	500pcs