



**Wire Wound Chip Common Mode Choke Coil –ACMC-S/H Series 片式绕线共模电**  
**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. 高频共模阻抗高, 噪声抑制性能优良.

High common mode impedance at high frequency cause excellent noise .

3. 高可靠性, 满足AEC-Q200测试要求.

High reliability -Reliability tests comply with AEC-Q200.



● **APPLICATIONS 用途**

1. 用于汽车USB3.0/HDMI2.0信号线,超高速差分信号处理.

Automotive USB 3.0/HDMI 2.0 signal transmission, Ultra-high speed differential signal processing.

● **PART NUMBERING SYSTEM 品名系统**

ACMC 2012 U - 900 - 2P - T  
A B C D E F

A: Automobile Type 车载型号

C: For general signal line 一般信号线

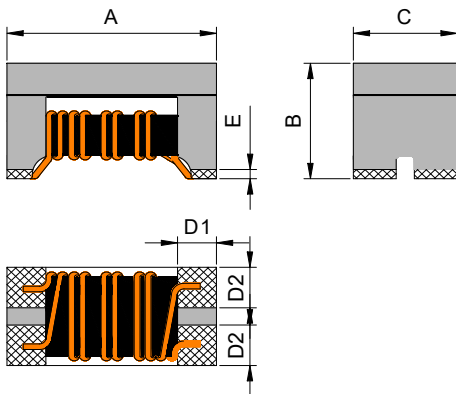
E: Number of line 2P : 2-Line

B: External Dimensions 外形尺寸 A\*C

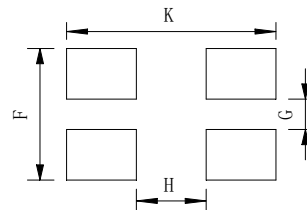
D: Impedance ( 900 = 90Ω) 阻抗

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
ACMC2012	2.0±0.2	1.2±0.2	1.2±0.2	0.5 Ref	0.45 Ref	0.17 Max	1.2 Ref	0.4 Ref	0.8 Ref	2.6 Ref

● SPECIFICATION TABLE:

ACMC2012U Series

Part No.	Common Mode Impedance( $\Omega$ )	Test Frequency (MHz)	DCR ( $\Omega$ ) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M $\Omega$ ) Min.	Withstanding Voltage (Vdc)
ACMC2012U-670-2P-T	60 $\pm$ 25%	100	0.25	400	50	10	125
ACMC2012U-900-2P-T	90 $\pm$ 25%	100	0.30	400	50	10	125
ACMC2012U-121-2P-T	120 $\pm$ 25%	100	0.30	400	50	10	125

1. Operating temperature range : -55 $^{\circ}$ C $\sim$ 150 $^{\circ}$ C (Including self - temperature rise)
2. Storage temperature range (packaging conditions): -55 $^{\circ}$ C $\sim$ 150 $^{\circ}$ C (Including self - temperature rise) and RH 70% (Max.)
3. Rated Current (Irms)
  - Irms is direct electric current as chip surface temperature rose just 20 $^{\circ}$ C or 40 $^{\circ}$ C against chip initial surface temperature (Ta)
  - Temperature rise: Rated Current < 1A  $\Delta$ T 20 $^{\circ}$ C Max
  - Rated Current  $\geq$  1A  $\Delta$ T 40 $^{\circ}$ C Max

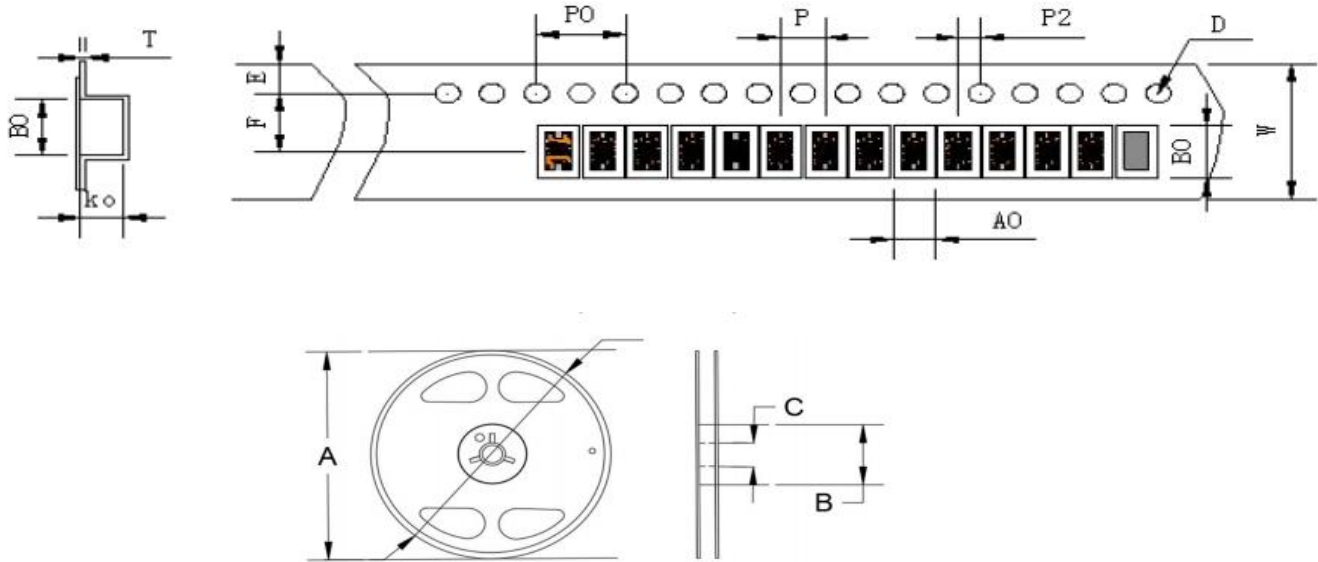
● **PACKAGING SPECIFICATION :**

1. Packaging - Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



2. Packaging - Tape & Reel



Type	Tape Dimension (mm)						Reel Dimension (mm)			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C(C1)	
ACMC2012U	8	1.55	2.45	1.5	1.5	4	178	60	13	2000 pcs