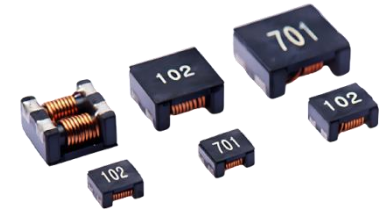


## SMCH 系列共模线圈 SMCH Series Common Mode Chokes



### 特征 Features

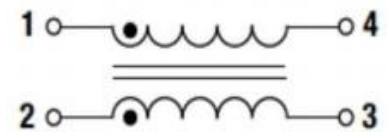
超薄大电流	Low Profile & High Current
温度最高125°C	High Temperature, Up to 125°C
车载AEC-Q200标准	Complaint with AEC-Q200



### 应用 Applications

辅助驾驶	ADAS
车载大灯	LED Head Lighting
车载DC/DC转换	Automotive DC/DC Converters

### 电路接线图 Circuit

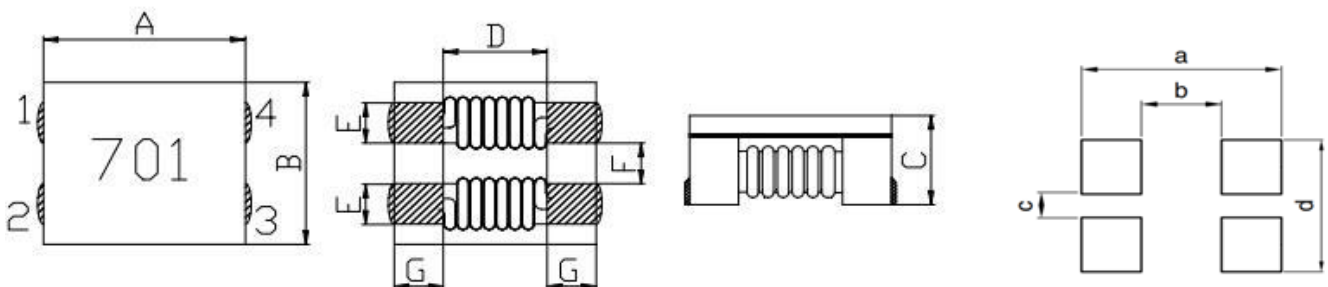


### 产品规格型号表示方法 How to Order

SMCH   1513      - 701   Y   C  
①            ②            ③            ④            ⑤            ⑥

① 产品代号 Product Code		② 规格尺寸(LxWxT) Dimensions(mm)		③ 材质代号 Material Code		④ 阻抗(Ω) Impedance		⑤ 误差(%) Tolerance		⑥ 应用领域 Application	
SMCH	SMCH系列 SMCH Series	1513	15.0x13.0x6.5	无 镍锌 Ni-Zn		1R0	1.0	K	10	C	车载品 125°C Automotive 125°C
				M	锰锌 Mn-Zn	100	10	M	20	S	标准品 For Standard
				A	合金 Alloy	101	100	P	25	T	特制品 For Special
						102	1000	N	30		
								Y	其它		

### 外型尺寸 Dimensions(mm)

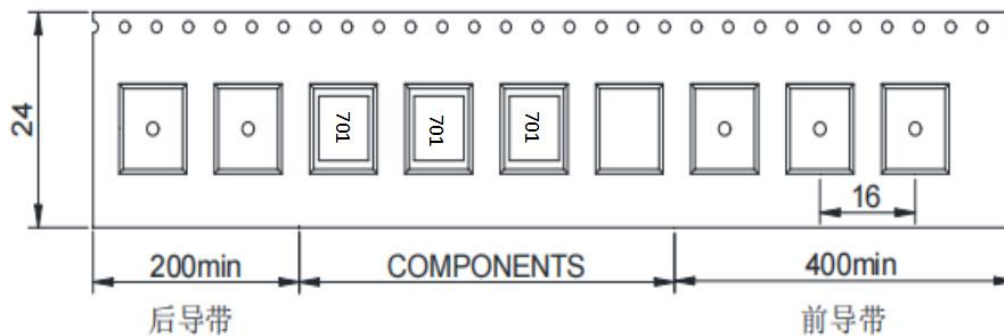


Type Name	A	B	C	D	E	F	G	a	b	c	d
SMCH1513	15.0±0.5	13.0±0.4	6.5 Max.	10.5 Typ.	2.7 Typ.	3.8 Typ.	2.3 Typ.	17.0 Typ.	10.5 Typ.	3.8 Typ.	9.2 Typ.

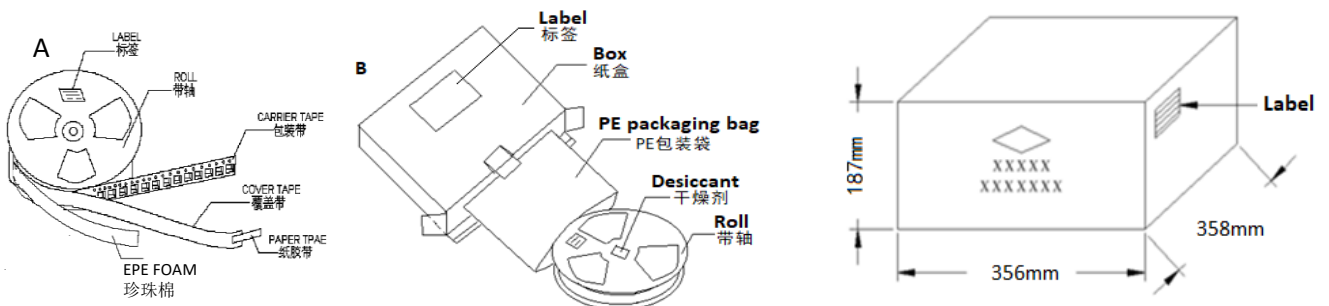
**性能参数 Electrical Characteristics**

规格型号 Part No.	Impedance( $\Omega$ ) 100MHz/0.1V		Rdc(m $\Omega$ )	I <sub>DC</sub> (A)	IR(M $\Omega$ )	V <sub>DC</sub> (V)	印字 Stamp
	Min.	Typ.	Max.	Max.	Min.	Max.	
SMCH1513-800YC	40	80	2.5	16.0	10	80	800
SMCH1513-301YC	250	300	5.0	13.0	10	80	301
SMCH1513-551YC	450	550	6.0	12.0	10	80	551
SMCH1513-701YC	600	800	7.0	11.0	10	80	701
SMCH1513-102YC	800	1000	12.0	10.0	10	80	102
SMCH1513-152YC	1300	1500	35.0	8.0	10	80	152
SMCH1513-222YC	1800	2200	50.0	6.0	10	80	222
SMCH1513-302YC	2500	3000	75.0	4.0	10	80	302

**包装材料及规格 Packaging Materials and Specifications**



**包装方式及数量 The Packing Method and Quantity**

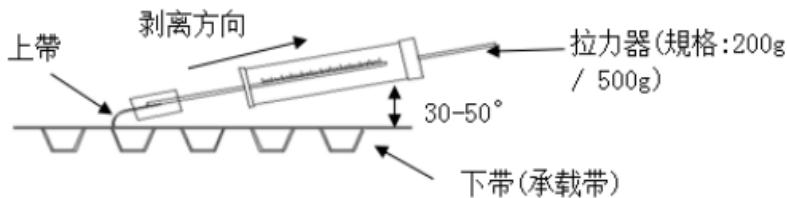


规格型号 Part No.	卷盘大小 Reel Size	卷盘数量 Reel Q'ty	内箱 Inner Box	外箱 Outer Box
SMCH1513	330 mm	400 pcs	800 pcs	2400 pcs

## 剥离强度 Peeling Strength

在箭头方向上撕下20克到110克(0.2N到1.1N)的力,剥离速度300mm/MIN以上。

The force tearing off cover 20 to 110 grams (0.2N to 1.1N) in the arrow direction under the following conditions,  
The stripping speed is above 300mm/minute.



## 内外箱标识内容 Inside and Outside Box Identification Content

**CYGE** 创一科技 科技创一  
CYGE TECHNOLOGY TECHNOLOGY FIRST Made in China

Customer Name: <HSF/RoHS>

P/O: 9

Customer P/N:

CYGE P/N:

LOT NO: DATE: PCS QTY:

匠心致远 追求卓越 感动人心  
Following ingenuity, pursuing, excellence, touching hearts

## 储存条件/注意的事项 Storage Conditions/Note things

1. 贮存温度、湿度条件 Storage temperature and humidity conditions :
  - 1.1. 产品包装与载体: -5℃ ~ +40℃, 低于60% RH.  
Product packing with Carrier tape: -5℃ ~ +40℃ and less than 60% RH.
  - 1.2. 单独的产品: -20℃ ~ +60℃, 低于60% RH.  
Product alone: -20℃ ~ +60℃ and less than 60% RH.
2. 产品在6个月内使用(注意:产品一经拆开包装,须尽快使用).  
Products should be used within 6 months.  
(Note that the product should be used as soon as possible once it is folded) .
3. 包装材料应保存在空气中不存在氯或硫的地方.  
The packaging material should be kept where no chlorine or sulfur exists in the air.
4. 不要用手指触摸电极(焊接端子),因为这可能导致焊接能力的下降.  
Do not touch the electrodes (soldering terminals) with fingers as this may lead to deterioration of solder ability.
5. 个别零件强烈建议使用镊子或真空取料机散装搬运应减少磨损和机械冲击.  
The use of tweezers or vacuum pick-ups is strongly recommended for individual components.  
Bulk handling should ensure that abrasion and mechanical shock are minimized.