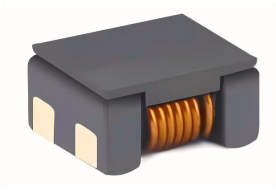
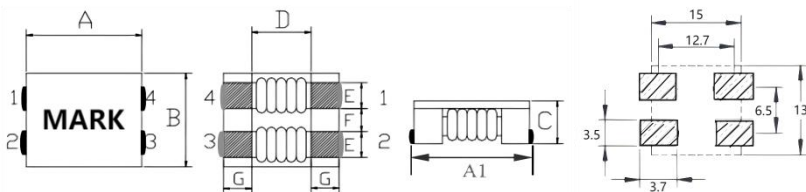


产品图示 Product illustration	尺寸 Dimensions
	

(Unit:mm)

Series	A	A1	B	C	D	E	F	G
PCML1513	15±0.50	15.5±0.50	13.0±0.50	6.5 Max	9.0 typ	3.4 typ	2.8 typ	3.0 typ

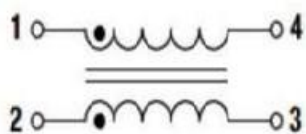
特征	Description
■ 高频下的高共模阻抗可实现优异的噪声抑制性能	■ High common mode impedance at high frequency effects excellent noise suppression performance.
■ 绕线式设计实现小型化与低外形尺寸	■ Winding type realizes small size and low profile.
■ 工作温度范围: -40°C 至+135°C(环境温度加自温升)	■ Operating temperature range: -40°C to +135°C(ambient plus self-temperature rise)
■ 100%无铅(Pb), 满足 RoHS 要求	■ 100% lead (Pb) free meet RoHS standard.

应用领域	Applications
■ 用于汽车 CAN 总线和信号线的共模噪声滤除	■ Common-mode noise filtering for automotive CAN bus and signal lines.
■ 用于应对电子设备的电源线噪声	■ Used to cope with the power line noise of electronic devices.
■ 无线充电电源装置	■ Wireless charging power device.

■ 产品命名规则 Product Naming Rules

系列名称 Series	尺寸 Dimensions	阻抗值 Inductance
PCML	1513	301

■ 电路图 Circuit Diagram



■ 关键电气参数规格表 Key Electrical Parameter Specification Table

型号 Part Number	阻抗值 Inductance 100MHz/0.1V		直流电阻 DC Resistance	额定电流 Rated Current	额定电压 Rated Voltage	IR 125V	MARK
	Ω		DCR (m Ω)	A	V	(M Ω)	
	Min.	Typ.	Max.	Max.	Max.	Min.	
PCML1513-101	100	200	3	13	80	10	101
PCML1513-301	180	300	4	13	80	10	301
PCML1513-501	400	500	5	12	80	10	501
PCML1513-551	450	550	5	12	80	10	551
PCML1513-701	500	700	6	10	80	10	701
PCML1513-102	800	1000	8	10	80	10	102
PCML1513-152	1300	1500	10	10	80	10	152
PCML1513-202	1500	2000	12	8	80	10	202
PCML1513-222	1700	2200	14	8	80	10	222
PCML1513-302	2500	3000	18	5	80	10	302

备注(Notes):

(1) 所有测试数据均以 25°C 环境温度为基准。

All test data is referenced to 25°C ambient.

(2) 额定电流: 温升达到 40°C 时的直流电流实际值。

Rated Current: the actual value of DC current when the temperature rise is at 40°C.

■ 使用注意事项 Usage Precautions

1、保存时间为 12 个月以内, 保存条件(温度 5~40°C、湿度 35-65%RH), 需充分注意若超过保存时间, 端子电极的可焊性将可能老化。

The storage period is within 12 months. Be sure to follow the storage conditions (temperature: 5-40°C, humidity: 35 to 65% RH). If the storage period elapses, the soldering of the terminal electrodes may deteriorate.

2、请勿在气体腐蚀环境(盐、酸、碱等)下使用和保存。

Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).

3、手上的油脂会导致可焊性降低, 应避免用手直接接触端子。

Don't touch electrodes directly with bare hands as oil secretions may inhibit soldering. Always ensure optimum conditions for soldering.

4、请勿将本产品靠近磁铁或带有磁力的物体。

Don't expose the products to magnets or magnetic fields.

5、在实施焊接前, 请务必进行预热, 预热温度与焊接温度及芯片温度的温度差要在 150°C 以内。

Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.

6、安装后的焊接修正应在规格书规定的条件范围内; 若加热过度可能导致短路、性能降低、寿命减少。

Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.

7、装置会因通电而自我发热(温度上升), 因此在热设计方面需留有充分余地。

Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.