产品规格书
PRODUCT SPECIFICATION

客户名称 CUSTOMER	
宏业产品系列 PRODUCT SERIES	POHS 系列一体成型功率电感器 POHS SERIES MOLDING POWER CHIP INDUCTOR
宏业规格型号 PRODUCT TYPE	
客户型号规格 CUSTOMER'S PRODUCT TYPE	

研发	品质	业务	批准

深圳市宏业兴电子有限公司 SHENZHEN HONGYEX ELECTRONICS CO,.LTD.
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公司地址：深圳市福田区振兴路 101 号华匀大厦 1 栋 3 楼
Company address: 3rd Floor, Building 1, Huayun Building, No. 101 Zhenxing Road, Futian District, Shenzhen
工厂地址：惠州市罗阳镇鸿达工业区五号宏业兴工业园
Factory address:Hongyexing Industrial Park, No.5, Hongda Industrial Zone,Luoyang Town,Huizhou City,Guangdong Province,China

备注 REMARK:		
客户回签 CUSTOMER APPROVAL		
采购 PURCHASE	工程 ENGINEER	品质 QUALITY

履历表 Resume

序号 NO.	修改日期 DATE	修改内容 CHANGE CONTENT	版本号 Version NO.
1	2015.11.14	初版 First edition	A1
2	2019.11.29	更新联系方式 Update contact	A2
3	2024.03.25	新增 POHS322512 系列 The POHS322512 has been newly added	A3
4	2024.06.20	新增 POHS0602 系列 The POHS0602 has been newly added	A4
5	2024.06.27	更新参数，新增 0502、1005、1265 系列 Update the parameters and add the 0502,1005,1265 series.	A5
6	2024.08.13	更新 06 系列体积参数 Update the volume parameters of the 06 series	A6
7	2025.09.22	更新内容的排版和可靠性测试，新增 POHS0805 系列 Update content layout and Reliability Testing,the POHS0805 has been newly added.	A7
8	2026.10.19	修正载带宽度 Carrier tape width correction.	A8

1 用途 APPLICATIONS

广泛应用于笔记本电脑和 PC 电脑、交换机和服务器、基站、DC/DC 转换器、电池电源管理、固态硬盘模组等电子设备。

Laptops and PCs, Switch and servers, Base stations, DC/DC converters, Battery powered devices, SSD modules.

2 特点 FEATURES

高额定电流。

High rated current.

工作频率达到 3MHz。

Frequency up to 3 MHz.

工作温度高达 125℃。

125℃ maximum total temperature operation.

低损耗，低噪声。

Low core loss.Ultra low buzz noise due to molding construction .

3 产品品名组成 PRODUCT IDENTIFICATION

POHS 201610 - R47 M

① ② ③ ④

①	Type：Wire Wound Chip Inductor
②	External Dimensions (L×W×T) (mm)：2.0×1.6×1.0
③	Nominal Inductance：R10，0.1μH；1R0，1.0μH；100, 10μH
④	Inductance Tolerance：K，±10%；M，±20%；

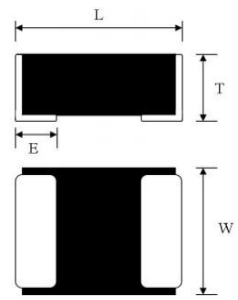
4 外形及尺寸 SHAPE AND DIMENSIONS

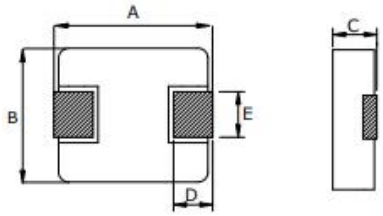
Unit: mm

Type	L	W	T(max)	E
POHS201610	2.0±0.2	1.6±0.2	1.0	0.50±0.30
POHS252010	2.5±0.2	2.0±0.2	1.0	0.60±0.30
POHS252012	2.5±0.2	2.0±0.2	1.2	0.60±0.30
POHS322512	3.2±0.2	2.5±0.2	1.2	0.60±0.30

Unit: mm

Type	A	B	C	D	E
POHS0412	4.4±0.35	4.2±0.25	1.0±0.2	0.8±0.3	2.0±0.3
POHS0402	4.4±0.35	4.2±0.25	1.8±0.2	0.8±0.3	2.0±0.3
POHS0518	5.4±0.35	5.2±0.25	1.6±0.2	1.2±0.3	2.2±0.3
POHS0502	5.4±0.35	5.2±0.25	1.8±0.2	1.2±0.3	2.2±0.3
POHS0503	5.4±0.35	5.2±0.25	2.8±0.2	1.2±0.3	2.2±0.3
POHS0618	7.1±0.50	6.6±0.25	1.6±0.2	1.6±0.3	3.0±0.3
POHS0602	7.1±0.50	6.6±0.25	1.8±0.2	1.6±0.3	3.0±0.3
POHS0624	7.1±0.50	6.6±0.25	2.2±0.2	1.6±0.3	3.0±0.3
POHS0603	7.1±0.50	6.6±0.25	2.8±0.2	1.6±0.3	3.0±0.3
POHS0604	7.1±0.50	6.6±0.25	3.8±0.2	1.6±0.3	3.0±0.3
POHS0605	7.1±0.50	6.6±0.25	4.8±0.2	1.6±0.3	3.0±0.3
POHS0805	8.7±0.5	8.0±0.3	5.0Max	1.8±0.3	3.0±0.3





POHS1004	11.0±0.5	10±0.30	3.8±0.2	2.0±0.5	3.0±0.5
POHS1005	11.0±0.5	10±0.30	4.8±0.2	2.0±0.5	3.0±0.5
POHS1204	13.5±0.5	12.8±0.5	3.8±0.2	2.0±0.5	4.3±1.0
POHS1205	13.5±0.5	12.8±0.5	4.8±0.2	2.0±0.5	4.3±1.0
POHS1206	13.5±0.5	12.8±0.5	5.8±0.2	2.0±0.5	5.0±0.3
POHS1265	13.5±0.5	12.8±0.5	6.3±0.2	2.0±0.5	5.0±0.3

5 特性参数 SPECIFICATIONS

详见附录 A。Please refer to Appendix A.

工作温度范围 Operating temperatrue range: -40℃~+125℃

储存温度范围 Storage temperature range: -10℃~+40℃

6 测试及可靠性 TESTING AND RELIABILITY

6.1 测试环境条件 Test Conditions

一般按照以下环境条件测试（有特殊要求的除外），：

Unless otherwise specified, the standard atmospheric conditions for measurement/test as:

a. 温度 Ambient Temperature: 20±15℃

b. 湿度 Relative Humidity: 65±20%

c. 大气压 Air Pressure: 86 kPa to 106 kPa

如果对测试结果有疑义，可以按照以下条件复测：

If any doubt on the results, measurements/tests should be made within the following limits:

a. 温度 Ambient Temperature: 20±2℃

b. 湿度 Relative Humidity: 65±5%

c. 大气压 Air Pressure: 86kPa to 106 kPa

6.2 电性及可靠性测试 Electrical Performance and Testing Reliability Testing

测试项目	**规格要求**	**测试条件**/测试方法
TEST ITEMS	**SPECIFICATIONS**	**TEST CONDITIONS / TEST METHODS**
（1）电气特性测试 ELECTRICAL PERFORMANCE TEST		
电感量（L）	标准值参考第 5 章节附录 A。 Refer to Item 5 Appendix A.	TH2828A
直流电阻（Rdc）	标准值参考第 5 章节附录 A。 Refer to Item 5 Appendix A.	TH2516

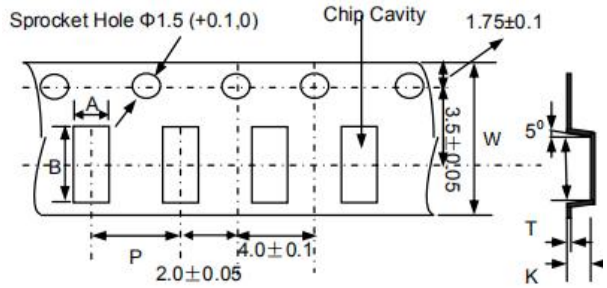
额定电流（Idc）	标准值参考第 5 章节附录 A。 Refer to Item 5 Appendix A.	加载电流后，电感量下降不超过 30%，或温升不超过 40℃。 Applied the current to coils the inductance change should be less than 30% to initial value and temperature rise should not be 40℃ typical.
温升测试 Temperature rise test	温升不超过 40℃ The temperature rise does not exceed 40℃.	加载额定电流，保持 4 小时。 Applied the allowed dc current for 4 hours.
过载测试 Overload test	没有明显的电气损坏 No evidence of electrical damage.	加载 1.5 倍额定电流，保持 5 分钟。 Applied 1.5 times of rated allowed dc current to inductors for a period of 5 minutes.
（2）机械特性测试 Mechanical performance test		
可焊性测试 Solder ability test	至少 95% 端电极表面被焊锡覆盖。 At least 95% of terminal electrode should be covered with solder.	预热温度：150℃ 预热时间：120s 焊锡温度：255℃ ± 5℃ 浸锡时间：10s Max Preheating temperature: 150℃ Preheating time: 120s Solder temperature: 255 ± 5℃ Duration: 10s Max
耐焊性 Resistance to soldering	至少 95% 的焊锡覆盖在电极表面。 无可见机械损伤。 电感量变化不超过 10%。 At least 95% of terminal electrode should be covered with solder. No mechanical damage. Inductance should not hange morethan ±10%.	参照回流焊曲线过 3 次。 Repeat the reflow curve twice.
振动测试 Vibration test	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	振幅：1.5mm 测试时间：沿三个垂直方向各做 2 小时 频率范围：10Hz～55Hz～10Hz（1 分钟） Amplitude modulation: 1.5mm Test time: A period of 2h in each of 3 mutually perpendicular directions. Frequency range: 10Hz to 55Hz to 10Hz for 1min.

冲击测试 Shock test	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	持续时间：6ms 峰值加速度：100g 方向：±X ±Y ±Z（6 个方向） 冲击次数：每个方向施加三次连续冲击（共 18 次）。 Duration: 6ms Peak acceleration: 100g Direction: ±X ±Y ±Z (6 directions) Number of shocks: Three consecutive shocks in each direction (total 18 times).
端电极强度 Adhesion of electrode	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	施加一个 17.7N（1.8kg）的力到测试器件的侧面，施加时间为 60 ± 1 秒。 A 17.7N(1.8kg) force is applied to the side of the inductance for 60(±1)s.
板弯曲测试 Circuit board bending test	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	施加使线路板弯曲至少 (D)x = 2mm 的力，施加外力的持续时间应为 60 ± 5 秒。 Apply a force to bend the circuit board at least (D)x=2mm, and the duration of the applied force should be 60(±5)s.
（3）环境测试 CLIMATIC TEST		
工作温度范围 Operating temperature range	- 40℃ ~ + 125℃	包含产品表面温升。 Includes product surface temperature rise.
耐高温 High temperature resistance	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	+ 125℃ ± 2℃ / 1000h 室温静置 1 小时后测试。 Test at room temperature for 1 hour.
耐低温 Low temperature resistance	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	-40℃ ± 2℃ / 1000h 室温静置 1 小时后测试。 Test at room temperature for 1 hour.
温度冲击 Temperature shock	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	温度：- 40℃，30 ± 3 分钟 + 125℃，30 ± 3 分钟 循环次数：1000 Temperature: - 45℃ for 30 ± 3min + 125℃ for 30 ± 3min Number of cycles: 1000

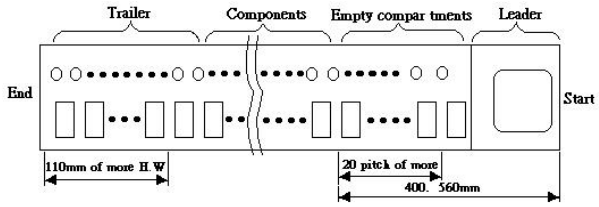
恒定湿热 Static humidity	无可见机械损伤。 电感量变化不超过 10%。 No mechanical damage. Inductance should not hange more than ±10%.	湿度：85% RH 温度：85℃ ± 2℃ 测试时间：1000 ± 2 h Humidity: 85% RH Temperature:85℃ ± 2℃ Testing time: 1000 ± 2h

7 包装 PACKAGING

7.1 载带尺寸 Tape Dimensions(Unit: mm)



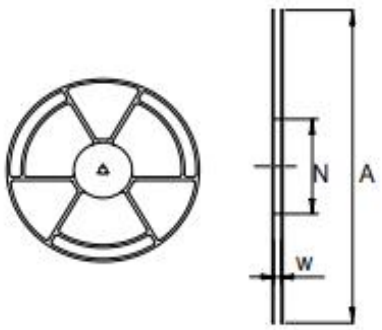
7.2 载带 Tape



型号 Type	A	B	W	P	K max	T max
POHS201610	1.82±0.2	2.23±0.2	8.0±0.3	4.0±0.1	1.20	0.30
POHS252010	2.25±0.2	2.80±0.2	8.0±0.3	4.0±0.1	1.45	0.30
POHS252012	2.25±0.2	2.80±0.2	8.0±0.3	4.0±0.1	1.45	0.30
POHS322512	2.80±0.2	3.45±0.2	8.0±0.3	4.0±0.1	1.45	0.30
POHS0412	4.4±0.2	4.9±0.2	12.0±0.3	8.0±0.1	1.60	0.40
POHS0402	4.4±0.2	4.9±0.2	12.0±0.3	8.0±0.1	2.40	0.40
POHS0518	5.4±0.2	5.9±0.2	16.0±0.3	8.0±0.1	2.20	0.40
POHS0502	5.4±0.2	5.9±0.2	16.0±0.3	8.0±0.1	2.40	0.40
POHS0503	5.4±0.2	5.9±0.2	16.0±0.3	8.0±0.1	3.40	0.40
POHS0618	6.9±0.2	7.5±0.2	16.0±0.3	12.0±0.1	2.20	0.40
POHS0602	6.9±0.2	7.5±0.2	16.0±0.3	12.0±0.1	2.40	0.40
POHS0624	6.9±0.2	7.5±0.2	16.0±0.3	12.0±0.1	2.80	0.40
POHS0603	6.9±0.2	7.5±0.2	16.0±0.3	12.0±0.1	3.40	0.40
POHS0604	6.9±0.2	7.5±0.2	16.0±0.3	12.0±0.1	4.30	0.40
POHS0605	6.9±0.2	7.5±0.2	16.0±0.3	12.0±0.1	5.30	0.45
POHS0805	8.4±0.2	9.9±0.2	24.0±0.3	12.0±0.1	5.35	0.30
POHS1004	10.4±0.2	11.5±0.2	24.0±0.3	16.0±0.1	4.90	0.40
POHS1005	10.4±0.2	11.5±0.2	24.0±0.3	16.0±0.1	5.30	0.40
POHS1204	13.4±0.2	14.4±0.2	24.0±0.3	16.0±0.1	4.40	0.55
POHS1205	13.4±0.2	14.4±0.2	24.0±0.3	16.0±0.1	5.40	0.55
POHS1206	13.4±0.2	14.4±0.2	24.0±0.3	16.0±0.1	6.40	0.65
POHS1265	13.4±0.2	14.4±0.2	24.0±0.3	16.0±0.1	6.40	0.70

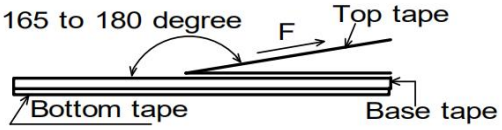
型号 Type	A	N	W	数量 Quantity(Pcs/reel)
POHS201610	178±2	60±2	12±0.2	3000
POHS252010	178±2	60±2	12±0.2	3000
POHS252012	178±2	60±2	12±0.2	3000
POHS322512	178±2	60±2	12±0.2	3000
POHS0412	330±2	100±2	12.4±0.2	3000
POHS0402	330±2	100±2	12.4±0.2	3000
POHS0518	330±2	100±2	12.4±0.2	2000
POHS0502	330±2	100±2	12.4±0.2	2000/3000
POHS0503	330±2	100±2	12.4±0.2	1500/2000

7.3 卷盘尺寸 Reel Dimensions



POHS0618	330±2	100±2	16.4±0.2	2000
POHS0602	330±2	100±2	16.4±0.2	1500/2000
POHS0624	330±2	100±2	16.4±0.2	1500
POHS0603	330±2	100±2	16.4±0.2	1000
POHS0604	330±2	100±2	16.4±0.2	1000
POHS0605	330±2	100±2	16.4±0.2	800/1000
POHS0805	330±2	100±2	17±0.2	1000
POHS1004	330±2	100±2	24.4±0.2	500/1000
POHS1005	330±2	100±2	24.4±0.2	500/800
POHS1204	330±2	100±2	24.4±0.2	500
POHS1205	330±2	100±2	24.4±0.2	500
POHS1206	330±2	100±2	24.4±0.2	500
POHS1265	330±2	100±2	24.4±0.2	500

7.4 剥离力 PEELING OFF FORCE



剥离速度 Speed of peeling off	300mm/s
剥离力 Peeling off force	0.1N to 1N(10g to 100g).

7.5 包装 Packaging

a. 卷盘和干燥剂一同放入尼龙或塑料袋中。Reel and a bag of desiccant shall be packed in Nylon or plastic bag.

b. 每个内盒中最多装 2 个上述袋子。Maximum of 2 bags shall be packaged in a inner box.

c. 每个外箱中最多装 8 个内盒。Maximum of 8 inner box shall be packaged in a outer box.

8 储存 Storage

8.1 不得暴露在高温高湿环境下储存，否则导致产品外电极和焊接性恶化变差。建议包装好的产品储存在低于 40℃、小于 70% RH 条件下。

The solderability of the external electrode may be deteriorated if packages are stored where they are exposed to high humidity. Packages must be stored at 40℃ or less and 70％RH or less.

8.2 不得暴露在灰尘或腐蚀性气体（如氯化氢，亚硫酸气体或硫化氢等）环境下储存，否则会导致产品外电极和焊接性恶化变差。

The solderability of the external electrode may be deteriorated if packages are stored where they are exposed to dust or harmful gas (hydrogen chloride, sulfurous acid gas or hydrogen sulfide).

8.3 如果暴露在阳光直射或加热环境下储存，会导致包装材料变形。

Packaging material may be deformed if packages are stored where they are exposed to heat or direct sunlight.

8.4 采用聚乙烯热封载带形式的最小包装，在使用之前不要拆开。如果拆开了，应尽快使用卷盘保护起来。

Minimum packages, such as polyvinyl heat-seal packages shall not be opened until just before they are used.If opened, use the reels as soon as possible.

8.5 在符合 8.1 和 8.2 要求的环境下储存，从产品发货日期开始 6 个月内，产品的焊接性能够满足 6.2 规定的要求。

Solderability specified in composite specification 6.2 shall be for 6 months from the date of delivery on condition that they are stored at the environment specified clause 8.1 & 8.2.

8.6 在产品使用之前，如果储存期超过 6 个月，则需要复检焊接性。
For those parts which passed more than 6 months shall be checked solderability before it is used.

9 焊接及注意事项

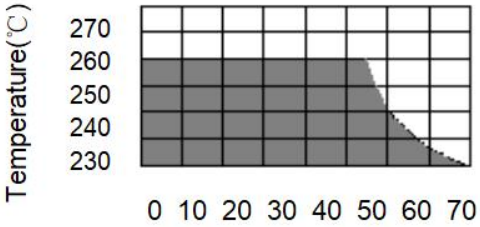
9.1 回流焊条件 Reflow soldering conditions

焊接之前产品应预热到 150℃。焊接后应冷却到 100℃。Pre-heating should be in such a way that the temperature difference between solder and ferrite surface is limited to 150℃ max.Also cooling into solvent after soldering should be in such a way that the temperature difference is limited to 100℃ max.

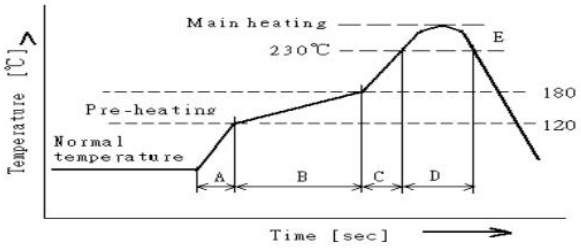
如果预热不充分，会导致产品质量恶化。Unenough pre—heating may cause cracks on the ferrite, resulting in the deterioration of product quality.

产品应当按照下述曲线焊接。Products should be soldered within the following allowable range indicated by the slanted line.

作业前，应对焊锡炉进行校准确认，保证能够符合焊接工艺条件。The excessive soldering conditions may cause the corrosion of the electrode, When soldering is repeated, allowable time is the accumulated time.



Temperature Profile



A	Slope of temp. rise	※ 1 to 5	※ ℃/sec
B	Heat time	50 to 150	※ sec
	Heat temperature	120 to 180	※ ℃
C	Slope of temp. rise	1 to 5	※ ℃/sec
D	Time over 230℃	90~120	※ sec
E	Peak temperature	255~260	※ ℃
	Peak hold time	10 max.	※ sec
※ No. of mounting		3	※ times

9.2 返工 Reworking with soldering iron

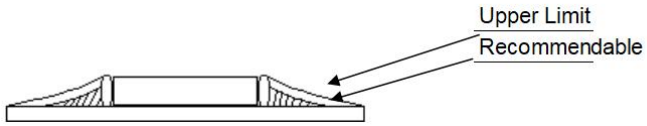
预热 Preheating	150℃, l minute
最高温度 Tip temperature	280℃ max
焊接时间 Soldering time	3seconds max.
电烙铁输出功率 Soldering iron output	30w max.
电烙铁焊头尺寸 End of soldering iron	∮3mm max.

*返工仅限一次。Reworking should be limited to only one time.

注意 Note：为了避免焊接高温冲击导致产品本体开裂，电烙铁焊头焊锡时应避免直接与产品接触。Do not directly touch the products with the tip of the soldering iron in order to prevent the crack on the ferrite material due to the thermal shock.

9.3 焊料量 Solder Volume

焊料使用时，不得超过如下所示的上限要求。Solder shall be used not to be exceed the upper limits as shown below.



随着焊料的增加，产品承受的机械应力也随之增加。过量的焊料所产生的机械应力，会导致产品出现机械或电气特性失效。Accordingly increasing the solder volume, the mechanical stress to product is also increased. Exceeding solder volume may cause the failure of mechanical or electrical performance.

附录 A 电气特性表
Appendix A Electrical Characteristics

POHS201610 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @1MHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS201610-R24□	0.24	21	5.05	4.5
POHS201610-R33□	0.33	29	4.5	3.69
POHS201610-R47□	0.47	40	4	3.15
POHS201610-R68□	0.68	49	3.33	3.06
POHS201610-1R0□	1	69	2.61	2.26
POHS201610-1R5□	1.5	129	2.25	1.81
POHS201610-2R2□	2.2	150	1.71	1.5

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS252010 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @1MHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS252010-R22□	0.22	12.5	7.2	5.3
POHS252010-R24□	0.24	14	7	4.8
POHS252010-R33□	0.33	26	6	4
POHS252010-R47□	0.47	32	4.5	3.51
POHS252010-R68□	0.68	44	3.87	3.06
POHS252010-1R0□	1	54	3.15	2.7
POHS252010-1R5□	1.5	91	2.34	2.25
POHS252010-2R2□	2.2	119	2.16	2.07
POHS252010-4R7□	4.7	262	1.62	1.22

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS252012 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @1MHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS252012-R47□	0.47	25	4.95	4.18
POHS252012-R68□	0.68	35	4.63	3.36

POHS252012-1R0□	1	49	4.04	3.18
POHS252012-1R5□	1.5	77	2.91	2.27
POHS252012-2R2□	2.2	98	2.73	2.06
POHS252012-4R7□	4.7	235	1.58	1.4

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS322512 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @1MHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS322512-R47□	0.47	19	7.0	5.2
POHS322512-R68□	0.68	25	5.8	4.4
POHS322512-1R0□	1.00	32	5.0	4.4
POHS322512-2R2□	2.20	72	3.5	2.7
POHS322512-4R7□	4.70	162	1.8	1.4
POHS322512-6R8□	6.80	210	2.1	1.2

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0412 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0412-R15□	0.15	9	15	7.5
POHS0412-R22□	0.22	11	11	7
POHS0412-R33□	0.33	19	8.4	6.5
POHS0412-R47□	0.47	21	6.8	6
POHS0412-R68□	0.68	36	6	4.7
POHS0412-1R0□	1	47	5.5	4.5
POHS0412-1R5□	1.5	75	4	3.25
POHS0412-2R2□	2.2	83.5	3	2.75
POHS0412-4R7□	4.7	195	2.2	1.8

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0402 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A

Symbol	L	DCR	Isat	Irms
POHS0402-R10□	0.1	4	22	12
POHS0402-R22□	0.22	6.6	12.5	9
POHS0402-R33□	0.33	12.5	11	8
POHS0402-R47□	0.47	14	9.5	7.5
POHS0402-R56□	0.56	16	9	7
POHS0402-R68□	0.68	20	8	5.2
POHS0402-1R0□	1	30	7	4.5
POHS0402-1R2□	1.2	35	6.5	4.2
POHS0402-1R5□	1.5	46	6	4
POHS0402-2R2□	2.2	60	5	3
POHS0402-3R3□	3.3	90	4	2.5
POHS0402-4R7□	4.7	122	3	2.2
POHS0402-6R8□	6.8	175	2.5	1.5
POHS0402-100□	10	282	2	1.6
POHS0402-220□	22	500	1.4	1.2
POHS0402H-R10□	0.1	4	22	13
POHS0402H-R33□	0.33	11	12	10
POHS0402H-R68□	0.68	18	8	7
POHS0402H-1R0□	1	27	7	6
POHS0402H-1R2□	1.2	27	6.5	6
POHS0402H-2R2□	2.2	58	5	4.5
POHS0402H-3R3□	3.3	87	3.5	3.3
POHS0402H-4R7□	4.7	105	3	2.8

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0518 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0518-R47□	0.47	9	12	10.5
POHS0518-R56□	0.56	10	11	9.5
POHS0518-1R0□	1	17	9	8
POHS0518-1R5□	1.5	26	8	7.5
POHS0518-2R2□	2.2	35	6	5
POHS0518-3R3□	3.3	58	4.8	4.5
POHS0518-4R7□	4.7	85	4	3.5

POHS0518-6R8□	6.8	120	3.4	2.8
POHS0518-100□	10	155	2.5	2.5

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0502 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0502-R10□	0.10	3.4	20	16
POHS0502-R12□	0.12	3.8	19	15
POHS0502-R15□	0.15	4.2	18	15
POHS0502-R22□	0.22	6.9	15	14
POHS0502-R47□	0.47	12	12	9.5
POHS0502-R68□	0.68	15	11	8.5
POHS0502-1R0□	1	20	10	8
POHS0502-1R5□	1.5	31	8	6
POHS0502-2R2□	2.2	43	6.5	4.5
POHS0502-3R3□	3.3	64	5.5	3.7
POHS0502-4R7□	4.7	92	4.5	3.0
POHS0502-5R6□	5.6	105	4.0	2.8
POHS0502-6R8□	6.8	136	3.8	2.2
POHS0502-100□	10	187	3	2.0
POHS0502-150□	15	242	2.5	1.8
POHS0502-220□	22	381	1.8	1.5

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0503 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0503-R10□	0.1	3	30	20
POHS0503-R20□	0.2	3.9	20	14
POHS0503-R33□	0.33	7	18	14
POHS0503-R47□	0.47	8.5	15	11
POHS0503-R68□	0.68	12	11.5	9
POHS0503-1R0□	1	15	10	7
POHS0503-1R2□	1.2	16	9.5	7
POHS0503-1R5□	1.5	30	8.5	6

POHS0503-2R2□	2.2	29	7	5.5
POHS0503-3R3□	3.3	38	6	4.5
POHS0503-4R7□	4.7	60	5	4
POHS0503-6R8□	6.8	90	4.5	3.5
POHS0503-100□	10	135	3.5	2.5
POHS0503-150□	15	211	2.8	1.8
POHS0503-220□	22	253	2.3	1.3
POHS0503H-1R5□	1.5	25	9	8.2
POHS0503H-2R2□	2.2	29	8	7
POHS0503H-100□	10	125	3.5	3.2

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0618 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0618-R10□	0.1	2.3	38	25
POHS0618-R22□	0.22	3.5	24	22
POHS0618-R47□	0.47	8.4	18	11.5
POHS0618-R68□	0.68	12	16.5	9.5
POHS0618-1R0□	1	16	12	8.5
POHS0618-1R5□	1.5	26	9.2	8
POHS0618-2R2□	2.2	35	8	7
POHS0618-3R3□	3.3	50	6	4.5
POHS0618-4R7□	4.7	62	5	4
POHS0618-6R8□	6.8	110	4.5	3
POHS0618-100□	10	155	4	2.3
POHS0618-220□	22	350	2.3	1.8

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0602 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0602-R10□	0.10	2.6	32.0	22.0
POHS0602-R15□	0.15	2.8	28.0	20.0
POHS0602-R22□	0.22	3.5	23.0	16.0

POHS0602-R33□	0.33	5.4	22.0	14.0
POHS0602-R47□	0.47	8.2	18.0	12.0
POHS0602-R68□	0.68	11.4	16.0	9.0
POHS0602-R82□	0.82	20.0	13.0	8.0
POHS0602-1R0□	1.00	20.0	13.0	8.0
POHS0602-1R5□	1.50	24.0	11.0	6.0
POHS0602-2R2□	2.20	36.0	8.5	5.8
POHS0602-3R3□	3.30	53.0	6.5	4.0
POHS0602-4R7□	4.70	98.0	6.0	3.5
POHS0602-6R8□	6.80	106.0	3.5	3.0
POHS0602-100□	10.0	170.0	3.0	2.0

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0624 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0624-R22□	0.22	3	30	21
POHS0624-R33□	0.33	4.1	24.5	18
POHS0624-R47□	0.47	5.1	20	15
POHS0624-R56□	0.56	6.5	17	13
POHS0624-R68□	0.68	7	16	12
POHS0624-1R0□	1	13.5	15	9
POHS0624-1R5□	1.5	20	13.5	8.2
POHS0624-2R2□	2.2	28	10	7
POHS0624-3R3□	3.3	39	8	5.5
POHS0624-4R7□	4.7	50	6.5	5
POHS0624-6R8□	6.8	70	6	4
POHS0624-100□	10	101	4	3.1
POHS0624-150□	15	160	3.3	2.5
POHS0624-220□	22	230	2.5	2

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0603 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms

POHS0603-R22□	0.22	3	34	24
POHS0603-R33□	0.33	3.5	25	21
POHS0603-R47□	0.47	4.1	20	18
POHS0603-R56□	0.56	4.5	18	16.5
POHS0603-R68□	0.68	6	17	16
POHS0603-R82□	0.82	7	16	14
POHS0603-1R0□	1	7	15	12
POHS0603-1R5□	1.5	13	12	9
POHS0603-2R2□	2.2	18	10	8.5
POHS0603-3R3□	3.3	36	9.5	6
POHS0603-4R7□	4.7	40	8	5
POHS0603-5R6□	5.6	55	6.5	4.8
POHS0603-6R8□	6.8	60	6.5	4.5
POHS0603-8R2□	8.2	70	6	4
POHS0603-100□	10	105	5.5	3
POHS0603-150□	15	130	4	2.6
POHS0603-220□	22	170	3	2.3
POHS0603-330□	33	270	2.5	2
POHS0603-470□	47	385	2	1.7
POHS0603H-1R5□	1.5	12.1	12	12
POHS0603H-2R2□	2.2	15	10	9.5
POHS0603H-3R3□	3.3	22	9.5	8.5
POHS0603H-4R7□	4.7	33	9	6
POHS0603H-5R6□	5.6	42	7.5	5.5
POHS0603H-100□	10	68	5.5	4.5
POHS0603H-150□	15	113	4	3

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0604 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0604-2R2□	2.2	14	11	9
POHS0604-4R7□	4.7	30	9	7
POHS0604-150□	15	110	4.5	3.5

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0605 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0605-R47□	0.47	3.9	21	20
POHS0605-R68□	0.68	4.5	18	16.5
POHS0605-1R0□	1	6.6	16	12
POHS0605-1R5□	1.5	10	13	9.5
POHS0605-2R2□	2.2	12.5	11	9
POHS0605-3R3□	3.3	22	10	8.5
POHS0605-4R7□	4.7	29	8	6
POHS0605-5R6□	5.6	35	7.5	6
POHS0605-6R8□	6.8	41	6.3	5.8
POHS0605-8R2□	8.2	48	5.5	5.5
POHS0605-100□	10	60	5.3	4.5
POHS0605-150□	15	90	4	3.1
POHS0605-220□	22	140	3.5	2.6
POHS0605-330□	33	190	3	2.3
POHS0605-470□	47	230	2.6	2
POHS0605-680□	68	350	1.8	1.0
POHS0605-101□	100	530	1.5	0.8

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS0805 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS0805-101□	100	300	2	1

POHS1004 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS1004-R15□	0.15	0.85	60	40
POHS1004-R22□	0.22	1	60	35
POHS1004-R30□	0.3	1.5	45	30
POHS1004-R36□	0.36	1.2	45	30
POHS1004-R47□	0.47	1.7	40	30

POHS1004-R56□	0.56	1.8	33	25
POHS1004-R68□	0.68	2.4	30	23
POHS1004-R80□	0.8	2.9	29	20
POHS1004-1R0□	1	4	28	19
POHS1004-1R5□	1.5	5	24	16
POHS1004-2R2□	2.2	8	18	12
POHS1004-3R3□	3.3	12	16	11
POHS1004-4R7□	4.7	18	14	9
POHS1004-6R8□	6.8	25	12	8.5
POHS1004-8R2□	8.2	27	9	8
POHS1004-100□	10	38	8.5	6
POHS1004-150□	15	56	7	6
POHS1004-220□	22	72	6	5
POHS1004-330□	33	98	5	4
POHS1004-470□	47	145	4	3.3
POHS1004-680□	68	240	3.5	2.5
POHS1004H-R15□	0.15	0.65	75	45
POHS1004H-100□	10	30	8.5	7.8

*请选用时注明公差（J=±5%；K=±10%；M=±20%；N=±30%）Please specify the inductance tolerance code(J=±5%；K=±10%；M=±20%；N=±30%).

POHS1005 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS1005-R47□	0.47	1.3	44	35
POHS1005-R82□	0.82	2.6	26	22
POHS1005-1R0□	1	2.6	25	19.5
POHS1005-1R5□	1.5	5	20	15
POHS1005-2R2□	2.2	6	20	14
POHS1005-3R3□	3.3	8	16	13
POHS1005-4R7□	4.7	15	15	9
POHS1005-5R6□	5.6	17	14	8.5
POHS1005-6R8□	6.8	22	13	8
POHS1005-8R2□	8.2	30	12	7
POHS1005-100□	10	32	11	7
POHS1005-150□	15	43	9	6
POHS1005-220□	22	63	7	5.5

POHS1005-330□	33	87	6	5
POHS1005-470□	47	125	4.5	3.5
POHS1005-680□	68	170	4.5	2.5
POHS1005-101□	100	280	3.5	2.5

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POHS1204 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS1204-R22□	0.22	0.9	50	42
POHS1204-R47□	0.47	2	48	33
POHS1204-R68□	0.68	3.5	47	28
POHS1204-R82□	0.82	4.5	40	28
POHS1204-1R0□	1	7.5	35	24
POHS1204-1R5□	1.5	9.5	30.5	20
POHS1204-2R2□	2.2	11.5	26	18
POHS1204-3R3□	3.3	13	21	15
POHS1204-4R7□	4.7	14.5	18	13
POHS1204-6R8□	6.8	20	14	9
POHS1204-100□	10	25	10	8
POHS1204-150□	15	39	7.5	6.5
POHS1204-220□	22	51	6	4.5

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POHS1205 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS1205-R22□	0.22	0.7	75	50
POHS1205-R36□	0.36	0.85	50	42
POHS1205-R50□	0.5	1.15	48	38
POHS1205-R68□	0.68	1.55	46	33
POHS1205-R82□	0.82	1.67	39	30
POHS1205-1R0□	1	2.2	35	26
POHS1205-1R5□	1.5	3.2	33	23
POHS1205-2R2□	2.2	5	24	15

POHS1205-3R3□	3.3	7	22	14
POHS1205-4R7□	4.7	9	20	13
POHS1205-6R8□	6.8	18	16	12
POHS1205-100□	10	22	12	9
POHS1205-150□	15	30	10	8
POHS1205-220□	22	58	6.5	4.5
POHS1205-330□	33	84	6	3.5
POHS1205-470□	47	130	5	3

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POHS1206 Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS1206-4R7□	4.7	9	24	15
POHS1206-5R6□	5.6	11	22.5	13
POHS1206-6R8□	6.8	13.5	19	12
POHS1206-8R2□	8.2	16	13.5	11
POHS1206-100□	10	20.7	12.5	10
POHS1206-120□	12	23	10	9
POHS1206-150□	15	29	9	8.5
POHS1206-180□	18	35	8	7.5
POHS1206-220□	22	39.5	7.5	7
POHS1206-270□	27	56	6.5	6
POHS1206-330□	33	75	6	5.5
POHS1206-470□	47	90	5.5	5
POHS1206-680□	68	140	4.5	4
POHS1206-101□	100	200	3.5	3
POHS1206-121□	120	235	3.2	2
POHS1206-151□	150	350	2.7	1.5

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POHS1265Series

Part Number	Inductance	Max.DC resistance	Max.Saturation Current	Max.Heat rated Current
Unit	μH @100KHz/1V	mΩ	A	A
Symbol	L	DCR	Isat	Irms
POHS1265-R33□	0.33	1	60	45

POHS1265-R47□	0.47	1.3	60	41
POHS1265-R56□	0.56	1.2	58	37
POHS1265-R68□	0.68	1.4	46	33
POHS1265-R82□	0.82	1.8	35	24
POHS1265-1R0□	1	2.5	40	24
POHS1265-1R5□	1.5	2.6	32	23
POHS1265-2R2□	2.2	4.3	27	22
POHS1265-3R3□	3.3	6.5	26	18
POHS1265-4R7□	4.7	9	20	15
POHS1265-5R6□	5.6	11	20	14
POHS1265-6R8□	6.8	12	17	12
POHS1265-8R2□	8.2	18	16	11
POHS1265-100□	10	20	14	10
POHS1265-150□	15	34	12	9
POHS1265-220□	22	45	10	7
POHS1265-330□	33	66	8	6
POHS1265-470□	47	75	6	5.5
POHS1265-680□	68	128	5	4.5
POHS1265-101□	100	180	4.5	3
POHS1265-121□	120	235	3.2	2.3
POHS1265-151□	150	350	2.7	2

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