SOREDE
索 瑞 達 電 子

深圳市索瑞达电子有限公司

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称：
Customer Name :_____

客 户 料 号：
Customer P/N: _____

产 品 名 称：功率电感
Product Name:_____

索 瑞 达 料 号：
Sorede P/N: SRTP.201208S.系列

制造厂商 Manufacturer	
拟 制 Draft	莫程惠
审 核 Check	舒妃团
日 期 Date	2026-07-23

深圳市索瑞达电子有限公司 工 程 专 用 章

客户承认印章 Approval Signet	
日期 Date	

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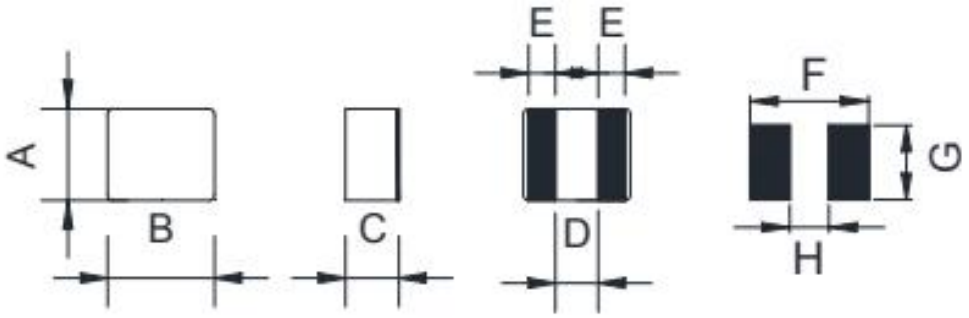
修 改 履 历 表

Modify Resume

修改日期 Date modified	修 改 明 细 Modify Details	修改后版本号 Version No.
2026-07-23	文件新制订　File formulation	A

1、外形尺寸 Dimension ：

单位Unit：mm



A	1.2±0.2
B	2.0±0.2
C	0.80Max
D	0.60Typ
E	0.70±0.2
F	2.10Typ
H	0.50Typ
G	1.30Typ

2、产品品名构成 Product Spec. Model

SRTP . 201208 S . R47 M B A

a b c d e f g

a：系列名称Series name

b：产品尺寸Product dimensions（A x B x C）

c：尺寸公差Size Tolerance:（S=±0.2mm D=±0.1mm）

d：电感值Inductance Value

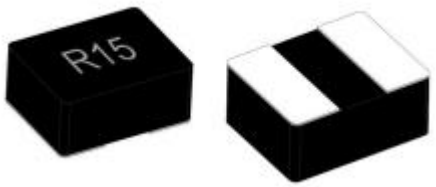
(1R0:1.0uH; 100: 10uH; 101:100uH)

e：电感公差Inductance Tolerance (K:10% ; M:20% ; N:30%)

f: 涂层颜色Coating color:：B=黑色B=Black；G=灰色G=Gray

g: 特殊定义Special define：A=常规A=Routine ， B~Z=特殊B~Z=Special

3、结构Structure



4、材料清单MATERIAL LIST

NO.	PARTS	MATERIAL	UL FILE NO.	TEMP. CLASS
1	CORE	ALLOY POWDER OR EQUIVALENT/（SH136）	NA	NA
2	WIRE	POLYESTER WIRE OR EQUIVALENT OR EQUIVALENT	NA	NA
3	Clip	100% PB FREE SOLDER OR EQUIVALENT	NA	NA
4	INK	HALOGEN-FREE KETONE OR EQUIVALENT	NA	NA

*NA:NOT APPLICABLE.

5、电性能参数表 Electrical Characteristics List

规格型号 Part NO.	电感量 Tolerance (μH)	测试频率 Test Freq. (MHz/v)	直流电阻 DCR (mΩ)Max	饱和电流 Isat(A)		温升电流 Irms (A)Typ	
				Max.	Typ.	Max.	Typ.
SRTP.201208S.R11MBA	0.11	1/1	12	9.0	9.5	6.5	7.0
SRTP.201208S.R15MBA	0.15	1/1	13	7.0	7.5	6.3	6.8
SRTP.201208S.R24MBA	0.24	1/1	23	6.0	6.5	5.9	6.5
SRTP.201208S.R24MBB	0.24	1/1	20	6.6	7.0	5.9	6.5
SRTP.201208S.R24MBF	0.24	1/1	18	7.0	7.2	6.5	7.0
SRTP.201208S.R24MBE	0.24	1/1	17	7.0	7.2	6.5	7.0
SRTP.201208S.R33MBA	0.33	1/1	45	4.8	5.2	4.0	4.3
SRTP.201208S.R33MBD	0.33	1/1	24	5.4	6.0	5.2	5.8
SRTP.201208S.R47MBA	0.47	1/1	50	4.6	5.0	3.3	3.5
SRTP.201208S.R47MBD	0.47	1/1	28	4.8	5.2	4.5	4.7
SRTP.201208S.R68MBA	0.68	1/1	60	3.7	4.2	3.3	3.7
SRTP.201208S.1R0MBA	1.0	1/1	70	3.5	4.0	2.9	3.3
SRTP.201208S.1R0MBD	1.0	1/1	55	2.8	3.2	2.8	3.2
SRTP.201208S.1R5MBA	1.5	1/1	135	2.5	3.0	1.9	2.2
SRTP.201208S.2R2MBA	2.2	1/1	185	2.3	2.6	1.8	2.2
SRTP.201208S.2R2MBD	2.2	1/1	115	1.9	2.1	1.3	1.7
SRTP.201208S.2R2MBB	2.2	1/1	156	2.0	2.2	1.6	1.8
SRTP.201208S.2R2MBF	2.2	1/1	130	1.9	2.1	1.8	2.0
SRTP.201208S.3R3MBA	3.3	1/1	300	1.6	1.9	1.5	1.8
SRTP.201208S.4R7MBA	4.7	1/1	325	1.4	1.6	1.5	1.7
SRTP.201208S.6R8MBA	6.8	1/1	530	1.1	1.3	1.0	1.1
SRTP.201208S.100MBA	10.0	1/1	800	0.8	0.9	0.7	0.8

※公差Tolerance：N:±30%、M:±20%、K:±10%.

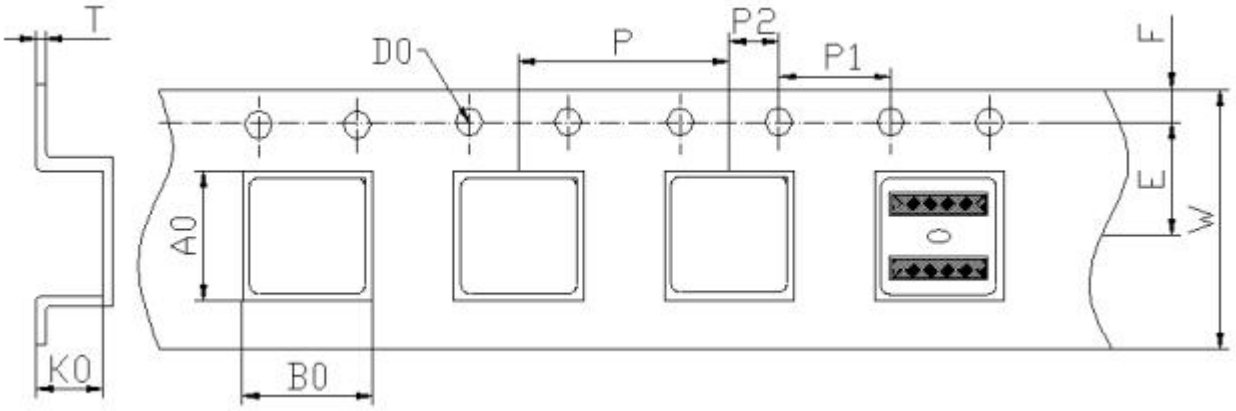
※工作温度Operating temperature rang：-40 ℃ to +125℃（Including Self-heating）

※储存温度Storage termperature rang：-40 ℃ to +125℃

额定电流：指使电感量比初始值下降30%TYP或电感器表面温度上升 40℃TYP 的电流值（参考周围环境温度25℃）。 The rated DC current is that which cause at 30%TYP inductance reduction from the initial value or inductor surface temperature to rise by 40℃TYP, whichever is smaller (Reference ambient temperature 25℃)。

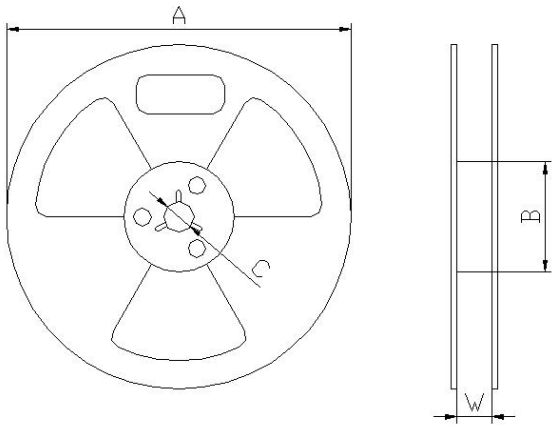
6、产品包装 Packaging

1）载带包装示意图 Tape packing diagram



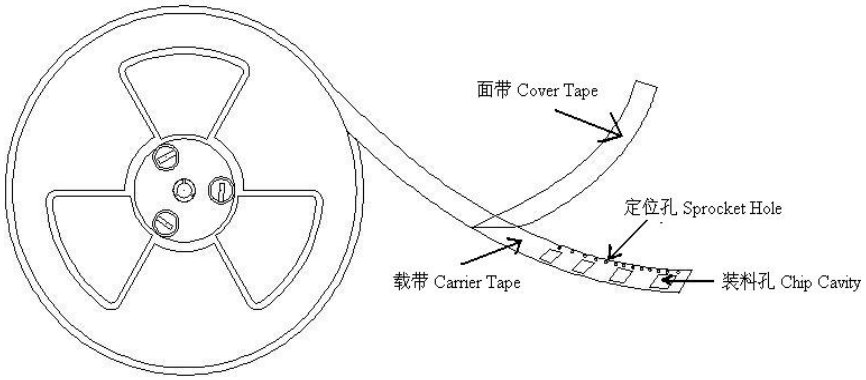
ITEM	W	A0	B0	K0	P	E	F	D0	P1	P2	T
DIM	8.00	2.30	1.50	1.00	4.00	3.50	1.75	1.50	4.00	2.00	0.35
TOLE	±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	+0.1	±0.1	±0.1	±0.05

2）卷盘包装示意图 Tape packing diagram



A	180±0.5
B	60±2.0
C	13.5±0.5
W	8.5±0.5

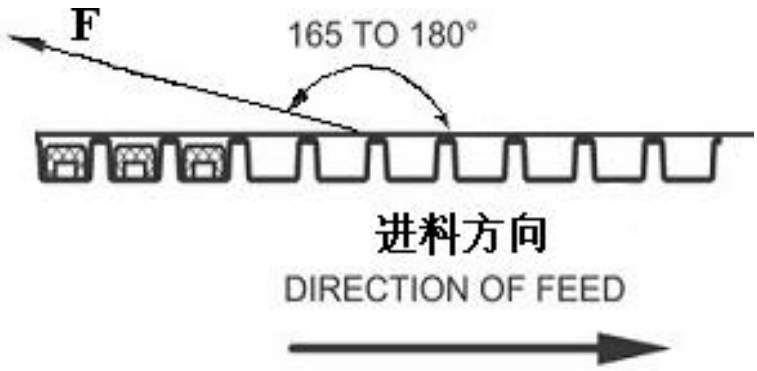
3）卷盘包装示意图 Tape packing diagram



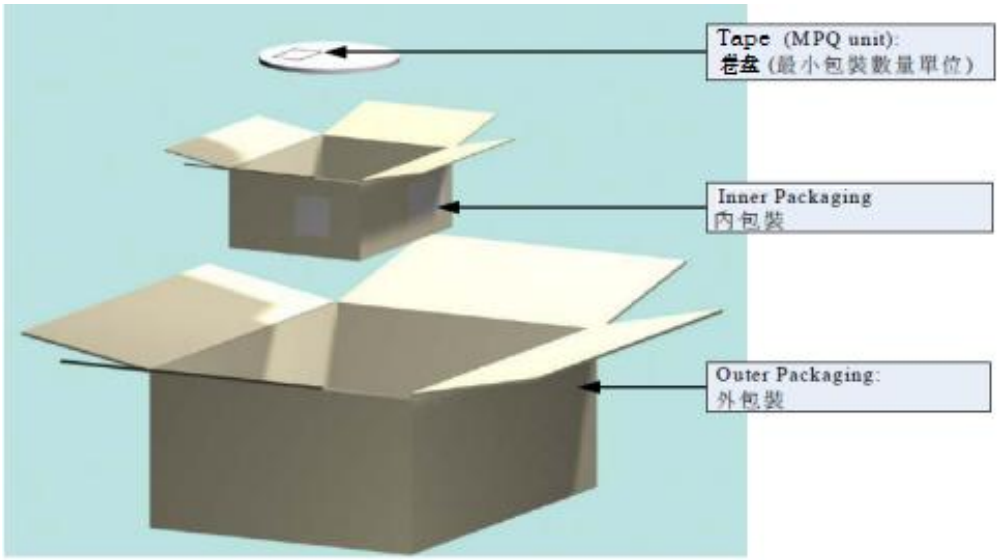
4）剥离强度要求Peeling required

①F 力大小：20～100g；

②面带剥离角度：165°～180°。



5）包装数量 Packing quantity



项目 (Project)	数量（PCS）	尺寸规格（Size:mm）
盘(Reel)	3000	7″
内盒 (Inner box)	30K	185mm*185mm*120mm
外箱 (Out box)	180K	395mm*385mm*205mm

Mechanical Reliability

TEST ITEM	SPECIFICATION	TEST DETAILS
Mechanical shock	1. No case deformation or change in apperarance 2. △L/Lo≦±10% .	1. Acceleration： 100G 2. Pulse time:： 6ms 3. Direction： ±X ±Y ±Z 4. 3 times in each positive and negative direction of 3 mutual perpendicular directions
Mechanical vibration	1. No case deformation or change in apperarance 2. △L/Lo≦±10% .	1. Reflow:2times 2. Frequency: 10HZ～55HZ～10HZ，20 Min/Cycles 3. Amplitude: 1.52 mm 4. Directions: X,Y,Z 5. Time: 12 cycle / direction
Solderability	1. No case deformation or change in apperarance 2. New solder coverage More than 95%	1、Preheat：155℃±5℃ ，60S±2S 2、Tin: lead-free. 3、Temperature:240℃±5℃，flux 3.0S±0.5S.

Endurance Reliability

Thermal Shock	Inductance change: Within ± 10% Without distinct damage in appearance	1. First -55℃ for 30 minutes，last 125℃ for 30 minutes as 1 cycle. Go through 1000 cycles. 2. Max transfer time is 3 minutes. 3. Measured at room temperature after placing for 24±2 hours

	Temperature	Duration
1	-55±2℃ (Themostat No.1)	30 min.
2	Standard atmospheric	Within 3 minutes No.1→No.2
3	125±2℃ (Themostat No.2)	30 min.
4	Standard atmospheric	Within 3 minutes No.2→No.1

Humidity Resistance	Inductance change: Within ± 10% Without distinct damage in appearance	1.Reflow 2 times, 2.85℃,85%RH,1000 hours 3.Measured at room temperature after placing for 24±2 hours
Low temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature： -55 ± 2℃ 2. Time： 1000 hours 3. Measured at room temperature after placing for 24±2 hours
High temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature： +125 ± 2℃ 2. Time： 1000 hours 3. Measured at room temperature after placing for 24±2 hours

8、注意事项 Note

①本承认书保证我司产品作为一个单体时的质量情况。当我司产品被安装到贵司产品上时，请保证贵司的产品已根据贵司的规范进行了有效评估和确认。

This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.

②如果贵司对我司产品的使用已超过了本承认书所界定的产品功能，那么对于由此引发的失效，我司将不予保证。

We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.

③为了保持终端电极的焊接性，并使包装材料保持良好状态，必须控制储存区的温度和湿度。

To maintain the solderabilty of terminal electrodes and to keep the packing material in good condition,temperature and humidity in the storage area shouid be controlled.

※建议的条件：-10～+40℃，30~70%RH。

Recommended conditions: -10～+40℃，30~70%RH.

※储存超过六个月的，应在实际使用前进行焊接检验。

In case of storage over 6 months,soldrability shall be checked before actual usage.

※即使在理想的储存条件下，产品的可焊性也随着时间的推移而降低。因此，产品应从交货时算起，建议8个月之内使用完。

Even under ideal storage conditions, the weldability of the product decreases over time. therefore, the product should be From the time of delivery, it is recommended that it be used within 8 months.

④本承认书在客户收到30 天之内，必须签章返回，逾期视为默认。

The Specification Approval should be sent back to the supplier with customer`schop on it within 30 days after receiving it, or we will take it as approved by customer`s automatically.

⑤如有特殊规格要求，请事前联络我司技术部人员。

In case of special specifications please contact our technical department prior staff.