

客 户 :

Customer

客 户 料 号 :

Customer P/N

物 料 名 称 :

扁线大功率电感

Item Name

型 号 :

RSEQ32系列承认书

P/N

承 认 书 编 号 :

S23101621

Spec No.

版 本 号 :

A0

Version No.

制 造 商	
Manufacture	
拟 制 Prepared	
审 核 Checked	
批 准 Approved	
日 期 Date	2023/10/16

客 户 承 认	
Approved by Customer	
批 准 Approved	
日 期 Date	

备 注:

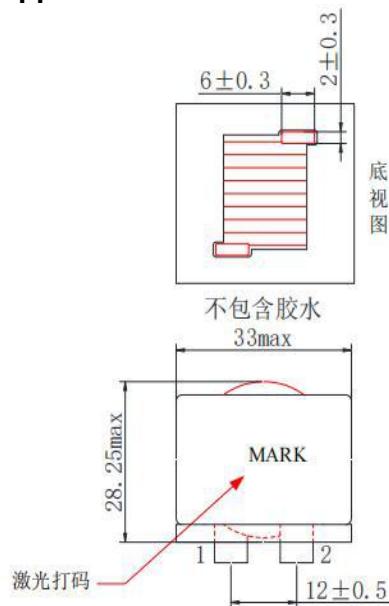
Remark

- 在使用产品前，用户必须确认此产品是否适用于自身设计，瑞申仅保证产品符合此份承认书的规格。
Before use, customer should confirm whether this product is suitable for their design,
Linghang only ensure products meet this specification.
- 本承认书的数据更改，必须经双方确认，任何一方单独修改无效。
This specification data change must be confirmed by both parties, any individual modification is invalid.
- 如客户未回答承认书即下订单，则视为承认此份承认书。
If customer placed orders without signing back this specification, it is regarded as recognition.

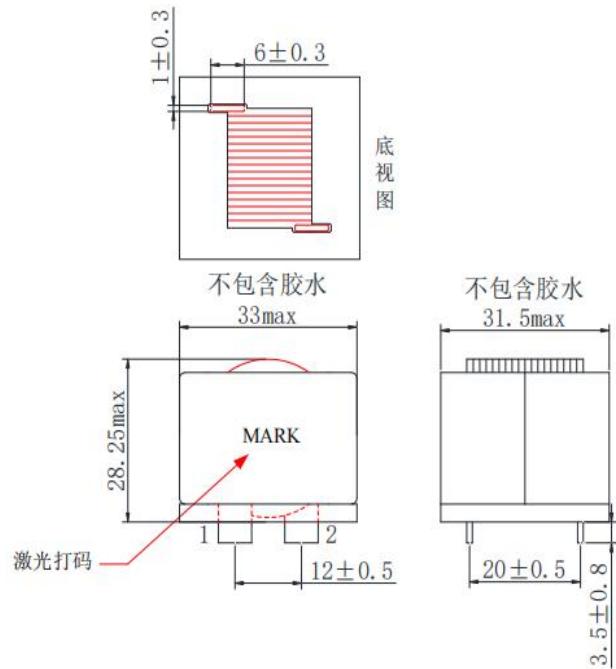


1 外形尺寸(mm)

Appearance and dimensions



5uH~12uH 图1

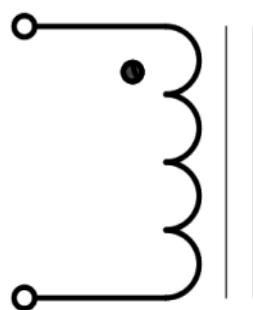


20uH~47uH 图2



2 原理图

Schematic



3 电气特性

Electrical characteristics

型 号 Type No.	电感值 Inductance μH	直流电阻 DC Resistance mΩ		温升电流 Heat Rating Current A	饱和电流 Saturation Current A	
	±20%	Typ.	Max.	40°C rise	20% drop	30% drop
RSEQ32-5R0M	5	0.9	1.5	75	130	180
RSEQ32-7R8M	7.8	0.9	1.5	75	70	100
RSEQ32-120M	12	0.9	1.5	75	40	60
RSEQ32-220M	22	3.0	4.5	40	60	90
RSEQ32-330M	33	3.0	4.5	40	32	42
RSEQ32-470M	47	3.0	4.5	40	17	25

※1 电感值测试条件为100KHz / 1V。

Inductance is tested at 100KHz / 1V.

※2 温升电流：使产品温度上升到ΔT40°C时所加载的直流电流值(Ta=25°C)。

Heat rating current: The value of DC current when product temperature rise is ΔT40°C (Ta=25°C).

※3 饱和电流：电感值下降其初始值的30%时所加载的直流电流值。

Saturation current: The value of DC current when the inductance decreases 30% of its initial value.

※4 特别提示:线路设计,组件布局,使用频率,散热系统等均会影响产品温度,请务必验证产品实际发热状况。

Special remind: Circuit design, component placement, frequency, cooling system and etc. all will affect the product temperature. Please verify the actual product temperature in the final application.

※5 所有数据基于环境温度25°C条件下测试。

All data is tested on 25°C ambient temperature.

※6 工作温度范围: -40°C ~ +125°C (包含产品发热)

Operating temperature range : -40°C ~ +125°C (Including self-temperature rise)



4 注意事项

Notes

- 4.1 产品最佳安装保质期限：12个月(从制造日期开始计算)
保存条件：密封包装，温度≤40℃，相对湿度≤70%。
The best assembly quality guarantee period of product : 12 months (From manufacture date),
Storage condition : seal in packaging, temperature≤40℃, RH≤70%.
- 4.2 如果取出使用，剩余产品请用胶袋密封，按照以上条件保存，避免电极氧化，影响焊接状态。
If taking out for use, the remaining products should be sealed in plastic bags and preserved
in accordance with the above conditions, to avoid oxidation of electrodes and affect soldering status.
- 4.3 请不要将产品保存于高温、高湿、有尘埃、腐蚀性气体的不适合环境中。
Do not keep products in unsuitable storage conditions,
such as areas susceptible to high temperature, high humidity, dust or corrosion.
- 4.4 请小心轻放，避免由于产品跌落或取出不当导致产品损坏。
Always handle products with care to avoid damage.
- 4.5 手上的油脂会导致产品的可焊性降低，请避免直接用手接触产品的端子，以保证最佳的可焊性。
Do not touch electrodes with bare hands directly, as oil secretions may inhibit soldering.
Always ensure optimum conditions for soldering.
- 4.6 当本产品应用到相似或新的项目时，电性可能因使用条件的不同而与规格产生一定的出入。
When product will be used on a similar or new project to the original one,
sometimes it might be unable to satisfy the specification due to different condition of usage.
- 4.7 本产品无任何自我保护功能，请勿在过载、高温、高压等不正常条件下使用。
This product itself does not have any protective function in abnormal conditions,
such as overload, high temperature, high voltage and etc.
- 4.8 超规格的高电压绝缘测试会对本产品绝缘金属粉体造成损伤，从而缩短产品的使用寿命。
Hi-Pot test with higher voltage than spec value will damage insulation material and shorten its life.
- 4.9 如果将本产品用于埋置复合组件，有可能会对本产品表面造成腐蚀，请咨询本公司。
If using in potting compound, the product might be damaged, please consult with us.
- 4.10 请不要清洗本产品，如果需要清洗，请咨询本公司。
Please do not clean this product. If necessary, please consult with us.

