

客 户 :

Customer

客 户 料 号 :

Customer P/N

物 料 名 称 :

Item Name

型 号 : RSPQ2918系列

P/N

承认书编号 :

Spec No.

版 本 号 : A0

Version No.

| 制 造 商<br>Manufacture |           |
|----------------------|-----------|
| 拟 制<br>Prepared      |           |
| 审 核<br>Checked       |           |
| 批 准<br>Approved      |           |
| 日 期<br>Date          | 2023/4/14 |

| 客 户 承 认<br>Approved by Customer |  |
|---------------------------------|--|
| 批 准<br>Approved                 |  |
| 日 期<br>Date                     |  |

备 注:

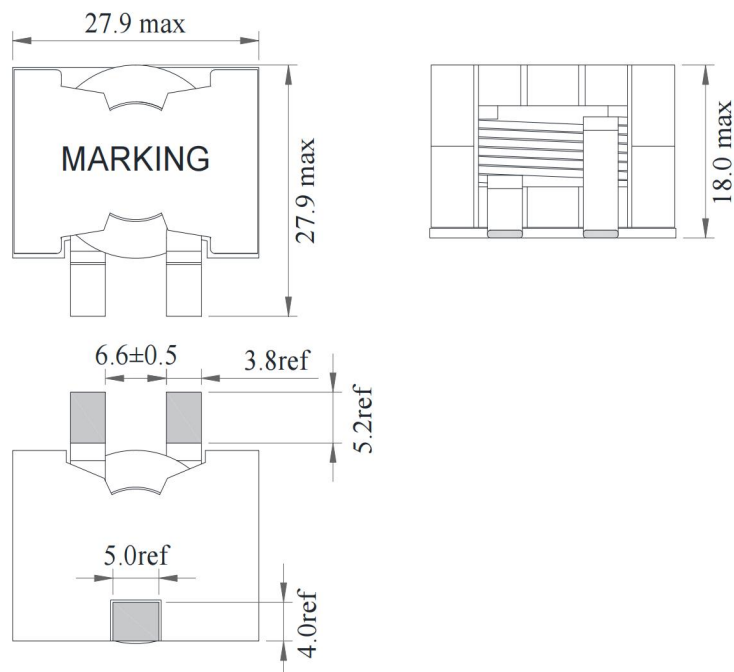
Remark

1. 在使用产品前, 用户必须确认此产品是否适用于自身设计, 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, only ensure products meet this specification.
2. 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.
3. 如客户未回签承认书即下订单, 则视为承认此份承认书。  
If customer placed orders without signing back this specification, it is regarded as recognition.



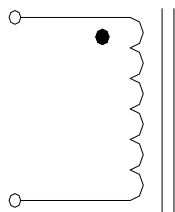
## 1 外形尺寸(mm)

### Appearance and dimensions



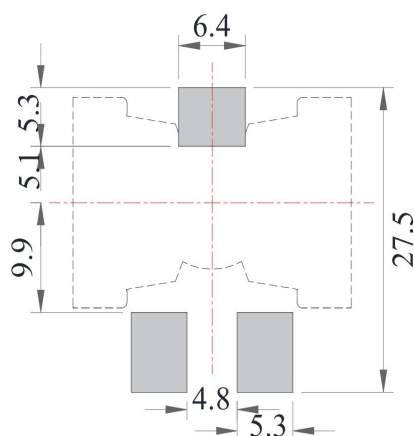
## 2 原理图

### Schematic



## 3 参考基板尺寸(mm)

### Reference PCB pattern



## 4 电气特性

### Electrical characteristics

| 型 号<br>Type No. | 感值<br>L<br>μH | 直流电阻<br>DCR<br>mΩ |      | 温升电流<br>I <sub>rms</sub><br>A | 饱和电流<br>I <sub>sat</sub><br>A |
|-----------------|---------------|-------------------|------|-------------------------------|-------------------------------|
|                 | ±20%          | Typ.              | Max. | Max.                          | Max.                          |
| RSPQ2918-3R3M   | 3.3           | 2.6               | 2.86 | 28                            | 93.6                          |
| RSPQ2918-4R7M   | 4.7           | 2.6               | 2.86 | 28                            | 62.4                          |
| RSPQ2918-6R8M   | 6.8           | 2.6               | 2.86 | 28                            | 45.9                          |
| RSPQ2918-100M   | 10            | 2.6               | 2.86 | 28                            | 32.1                          |
| RSPQ2918-150M   | 15            | 2.6               | 2.86 | 28                            | 21.9                          |
| RSPQ2918-220M   | 22            | 2.6               | 2.86 | 28                            | 15.0                          |

※1 电感值测试条件为100KHZ1V.

Inductance is tested at 100KHZ 1V.

※2 温升电流：使产品温度上升到 $\Delta T40^{\circ}\text{C}$ 时所加载的直流电流值( $T_a=25^{\circ}\text{C}$ )。

Heat rating current: The value of DC current when product temperature rise is  $\Delta T40^{\circ}\text{C}$  ( $T_a=25^{\circ}\text{C}$ ).

※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 $25^{\circ}\text{C}$ 条件下测试。

All data is tested on  $25^{\circ}\text{C}$  ambient temperature.

※6 工作温度范围： $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ （包含产品发热）

Operating temperature range :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$  (Including self-temperature rise)

