

# Features

## Line Inductors

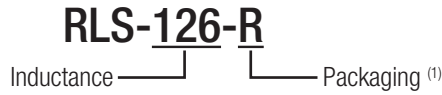
- Tested and proved in RECOM filter design
- RoHS2+ compliant
- SMD

## RLS-126

# Line Inductors for RECOM Power Supply



### Model Numbering



**Notes:**

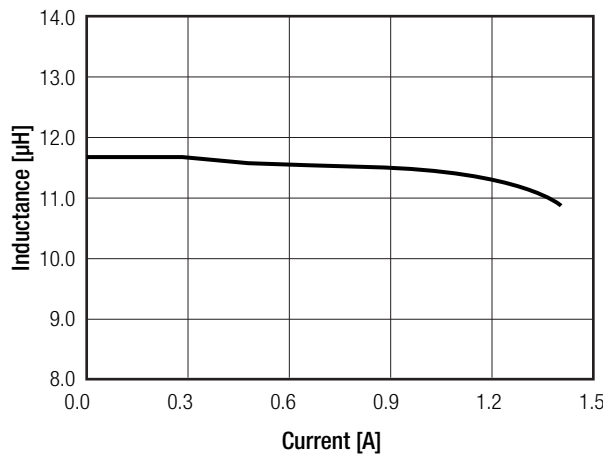
Note1: with suffix „-R“, standard packaging tape and reel without suffix optional airbag packaging

### Specifications (measured @ Ta= 25°C, unless otherwise stated)

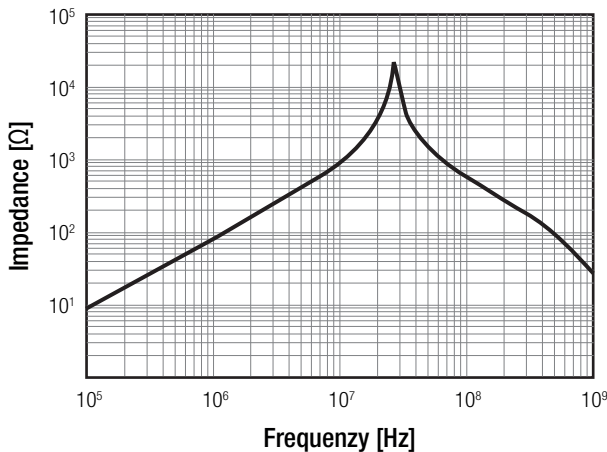
| BASIC CHARACTERISTICS |                  |             |             |
|-----------------------|------------------|-------------|-------------|
| Parameter             |                  | Condition   | Value       |
| Inductance            | L                | 100kHz/10mV | 12.0µH ±20% |
| DC Resistance         | RDC              | @ 25°C      | 420mΩ max.  |
| Rated Current         | I <sub>R</sub>   | ΔT ≤ 40°C   | 0.80A max.  |
| Saturation Current    | I <sub>sat</sub> | ΔL/L  < 10% | 1.4A typ.   |



Inductance vs. Current graph



Impedance graph



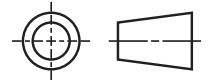
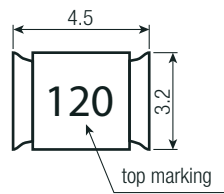
**Specifications** (measured @ Ta= 25°C, unless otherwise stated)

| ENVIRONMENTAL               |                |                 |
|-----------------------------|----------------|-----------------|
| Parameter                   | Condition      | Value           |
| Operating Temperature Range | with derating  | -40°C to +125°C |
| Operating Humidity          | non-condensing | 95% RH max.     |

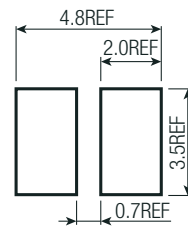
**DIMENSION AND PHYSICAL CHARACTERISTICS**

| Parameter         | Type | Value             |
|-------------------|------|-------------------|
| Dimension (LxWxH) |      | 4.5 x 3.2 x 2.6mm |
| Weight            |      | 0.15g typ.        |

**Dimension Drawing (mm)**



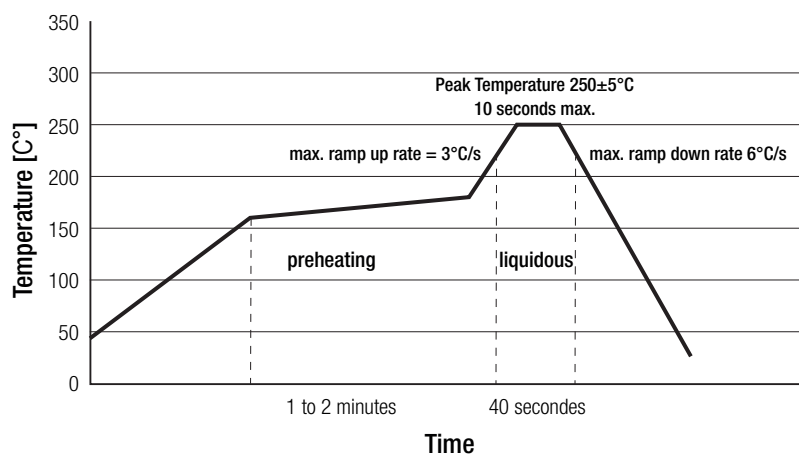
**Recommended Footprint Details**



Tolerance: xx.x= ±0.5mm

**APPLICATION INFORMATION**

**Classification Reflow Profile for SMT**



**Specifications** (measured @ Ta= 25°C, unless otherwise stated)

| PACKAGING INFORMATION       |                        |                        |
|-----------------------------|------------------------|------------------------|
| Parameter                   | Type                   | Value                  |
| Packaging Dimension (LxWxH) | tape and reel (carton) | 355.0 x 340.0 x 35.0mm |
|                             | airbag                 | 120.0 x 100.0 x 30.0mm |
| Packaging Quantity          | tape and reel          | 2000pcs                |
|                             | airbag                 | 50pcs                  |
| Tape Width                  |                        | 12.0mm                 |
| Storage Temperature Range   |                        | -55°C to +125°C        |
| Storage Humidity            | non-condensing         | 95% RH max.            |

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