

# Features

- Tested and proved in RECOM filter design
- RoHS compliant
- SMD

# Line Inductors

## RLS-567

# Line Inductors for RECOM Power Supply



### Model Numbering

**RLS-567-R**

Inductance \_\_\_\_\_ Packaging <sup>(1)</sup>

**Notes:**

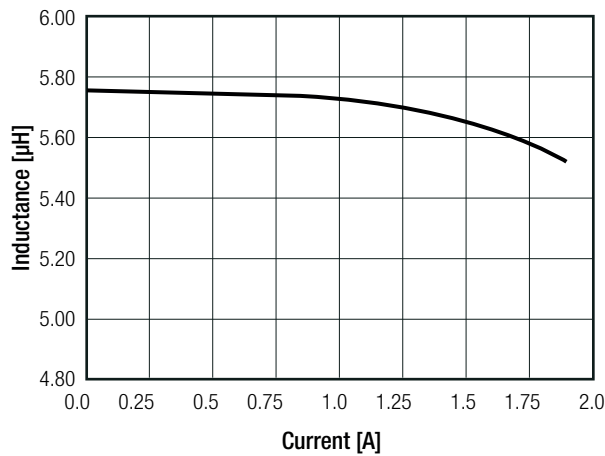
Note1: with suffix „-R“, standard packaging tape and reel without suffix optional airbag packaging

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

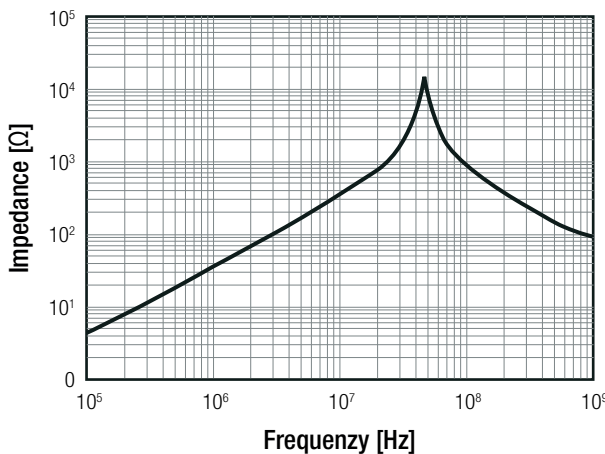
BASIC CHARACTERISTICS			
Parameter		Condition	Value
Inductance	L	100kHz/100mV	5.6µH ±20%
DC Resistance	RDC	@ 25°C	180mΩ max.
Rated Current	I <sub>R</sub>	ΔT ≤ 40°C	1.18A max.
Saturation Current	I <sub>sat</sub>	I ΔL/LI < 10%	1.9A typ.



Inductance vs. Current graph



Impedance graph



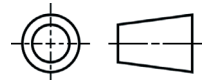
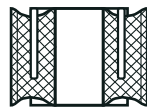
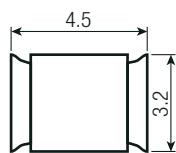
**Specifications** (measured @ Ta= 25°C, unless otherwise stated)

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

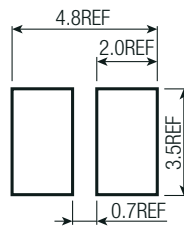
**DIMENSION AND PHYSICAL CHARACTERISTICS**

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

**Dimension Drawing (mm)**



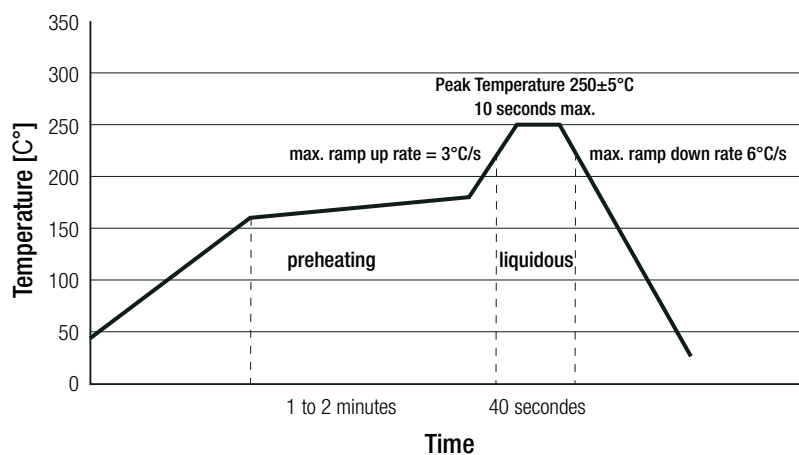
**Recommended Footprint Details**



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) airbag	355.0 x 340.0 x 35.0mm 120.0 x 100.0 x 30.0mm
Packaging Quantity	tape and reel airbag	2000pcs 50pcs
Tape Width		12.0mm
Storage Temperature Range		-55°C to +125°C
Storage Humidity	non-condensing	95% RH max.

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