

# Features

## Line Inductors

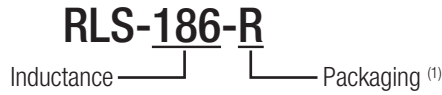
- Tested and proved in RECOM filter design
- RoHS2+ compliant
- SMD

## RLS-186

# Line Inductors for RECOM Power Supply



### Model Numbering



**Notes:**

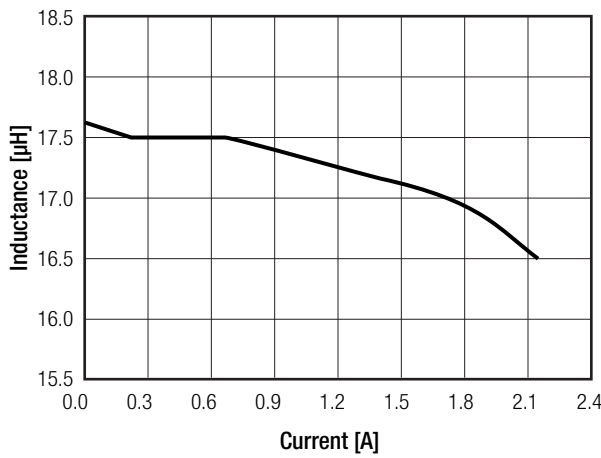
Note1: with suffix „-R“, standard packaging tape and reel without suffix optional airbag packaging

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

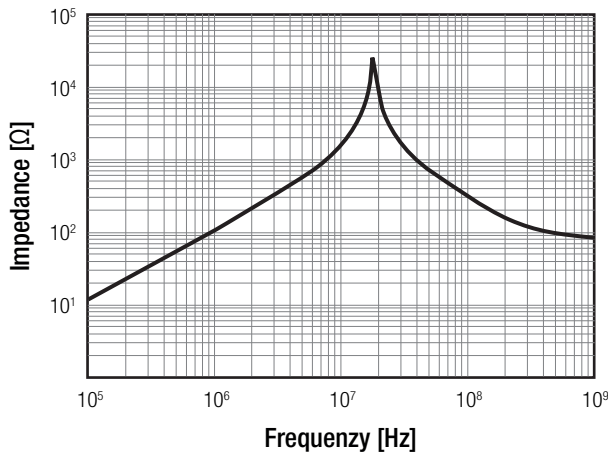
BASIC CHARACTERISTICS			
Parameter		Condition	Value
Inductance	L	100kHz/250V	18µH ±10%
DC Resistance	RDC	@ 25°C	100mΩ max.
Rated Current	I <sub>R</sub>	ΔT ≤ 40°C	1.89A max.
Saturation Current	I <sub>sat</sub>	I ΔL/LI < 10%	2.14A typ.



Inductance vs. Current graph



Impedance graph



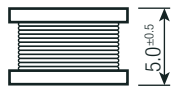
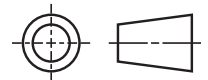
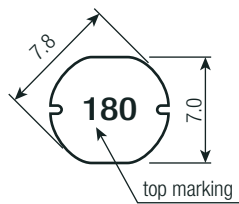
**Specifications** (measured @ Ta= 25°C, unless otherwise stated)

ENVIRONMENTAL		
Parameter	Condition	Value
Operating Temperature Range	with derating	-40°C to +105°C
Operating Humidity	non-condensing	95% RH max.

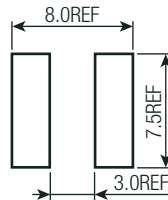
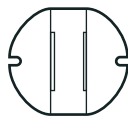
**DIMENSION AND PHYSICAL CHARACTERISTICS**

Parameter	Type	Value
Dimension (LxWxH)		7.8 x 7.0 x 5.0mm
Weight		1.00g typ.

**Dimension Drawing (mm)**



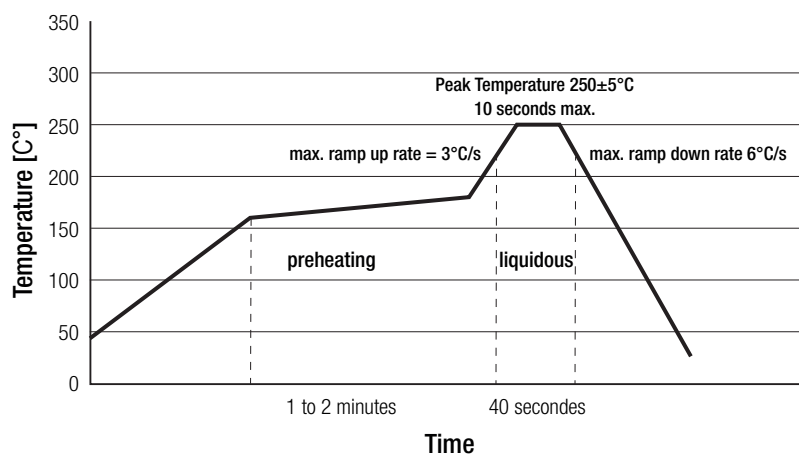
**Recommended Footprint Details**



Tolerance: xx.x= ±0.3mm

**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	1000pcs 50pcs
Tape Width		16.0mm
Storage Temperature Range		-55°C to +125°C
Storage Humidity	non-condensing	95% RH max.

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