Features

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

Line Inductors

RECOM Accessory

RLS-397

Line Inductors for RECOM Power Supply

3 YEAR warranty

Model Numbering

RLS-397-R

Inductance — Packaging (1)

Notes:

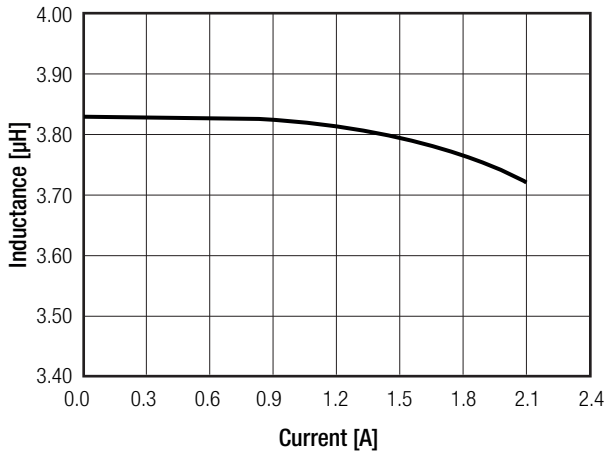
Note1: with suffix „-R“, standard packaging tape and reel
without suffix optional airbag packaging



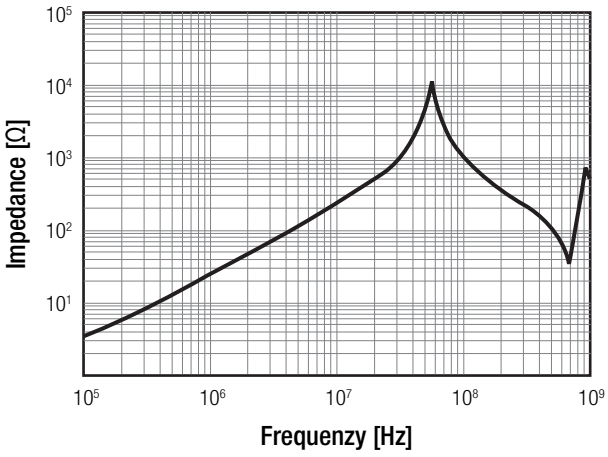
Specifications (measured @ Ta= 25°C, unless otherwise stated)

BASIC CHARACTERISTICS			
Parameter		**Condition**	**Value**
Inductance	L	100kHz/100mV	3.9µH ±20%
DC Resistance	RDC	@ 25°C	140mΩ max.
Rated Current	I_R	ΔT ≤ 40°C	1.32A max.
Saturation Current	I_{sat}	I ΔL/LI < 10%	2.1A typ.

Inductance vs. Current graph



Impedance graph

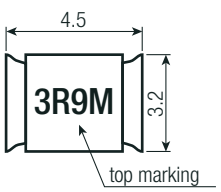


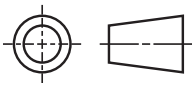
Specifications (measured @ Ta= 25°C, unless otherwise stated)

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

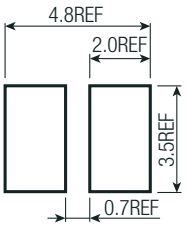
DIMENSION AND PHYSICAL CHARACTERISTICS		
Parameter	**Type**	**Value**
Dimension (LxWxH)		4.5 x 3.2 x 2.6mm
Weight		0.15g typ.

Dimension Drawing (mm)





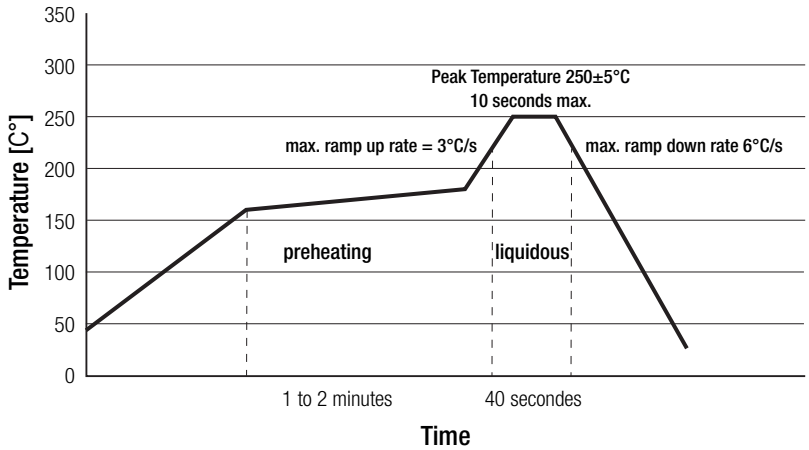
Recommended Footprint Details



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.

The product information and specifications may be subject to changes even without prior written notice.The product has been designed for various applications; its suitability lies in the responsibility of each customer. The products are not authorized for use in safety-critical applications without RECOM's explicit written consent. A safety-critical application is an application where a failure may reasonably be expected to endanger or cause loss of life, inflict bodily harm or damage property. The applicant shall indemnify and hold harmless RECOM, its affiliated companies and its representatives against any damage claims in connection with the unauthorized use of RECOM products in such safety-critical applications.