

Features

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

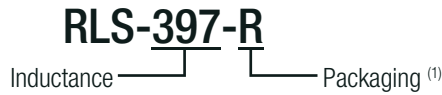
Line Inductors

RLS-397

Line Inductors for RECOM Power Supply



Model Numbering



Notes:

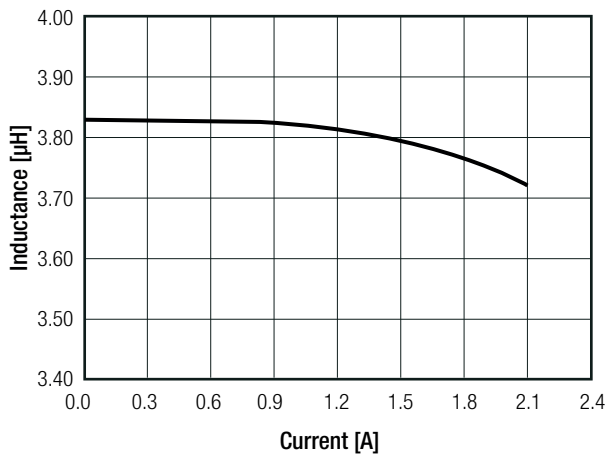
Note1: with suffix „-R“, standard packaging tape and reel without suffix optional airbag packaging

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

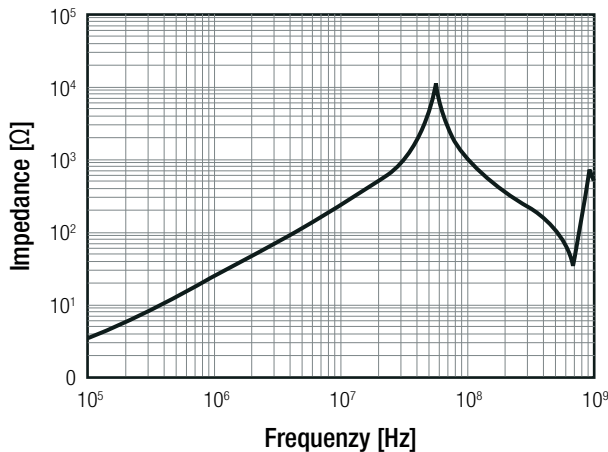
BASIC CHARACTERISTICS			
Parameter		Condition	Value
Inductance	L	100kHz/100mV	3.9µH ±20%
DC Resistance	RDC	@ 25°C	140mΩ max.
Rated Current	I _R	ΔT ≤ 40°C	1.32A max.
Saturation Current	I _{sat}	I ΔL/LI < 10%	2.1A typ.



Inductance vs. Current graph



Impedance graph



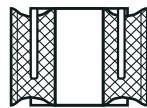
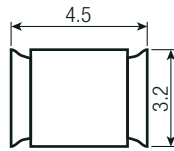
Specifications (measured @ Ta= 25°C, unless otherwise stated)

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

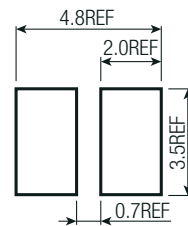
DIMENSION AND PHYSICAL CHARACTERISTICS

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

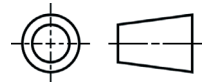
Dimension Drawing (mm)



Recommended Footprint Details

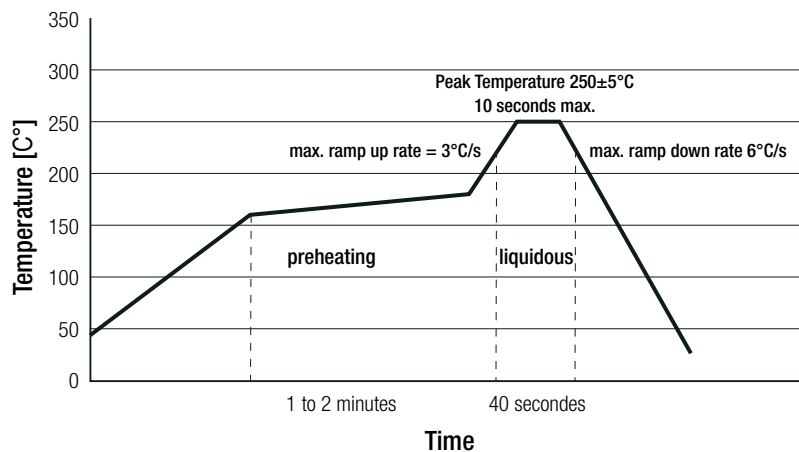


Tolerance: xx.x= ±0.5mm



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.

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