

Features

Line Inductors

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

RLS-226

Line Inductors for RECOM Power Supply



Model Numbering

RLS-226-R

Inductance ——— Packaging ⁽¹⁾

Notes:

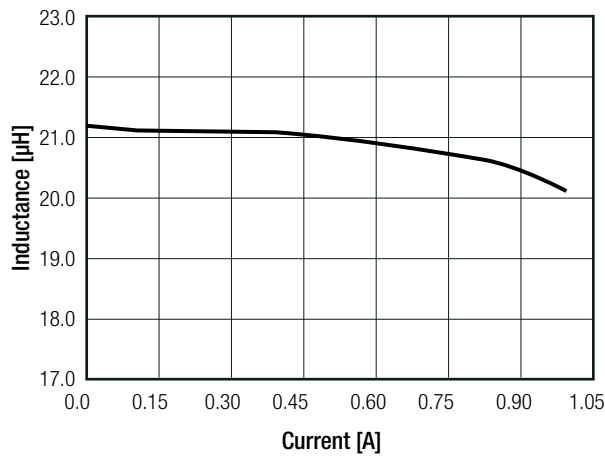
Note1: with suffix „-R“, standard packaging tape and reel
without suffix optional airbag packaging

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

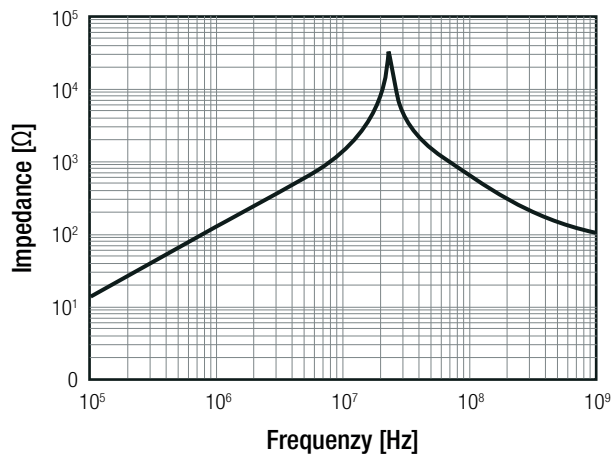
BASIC CHARACTERISTICS

Parameter		Condition	Value
Inductance	L	100kHz/10mV	22.0µH ±10%
DC Resistance	RDC	@ 25°C	700mΩ max.
Rated Current	I _R	ΔT ≤ 40°C	0.63A max.
Saturation Current	I _{sat}	I ΔL/LI < 10%	1.0A typ.

Inductance vs. Current graph

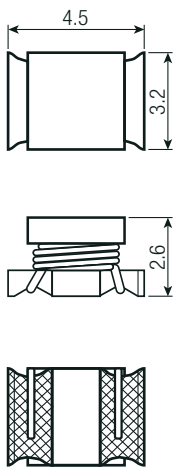
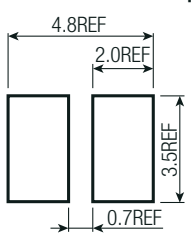


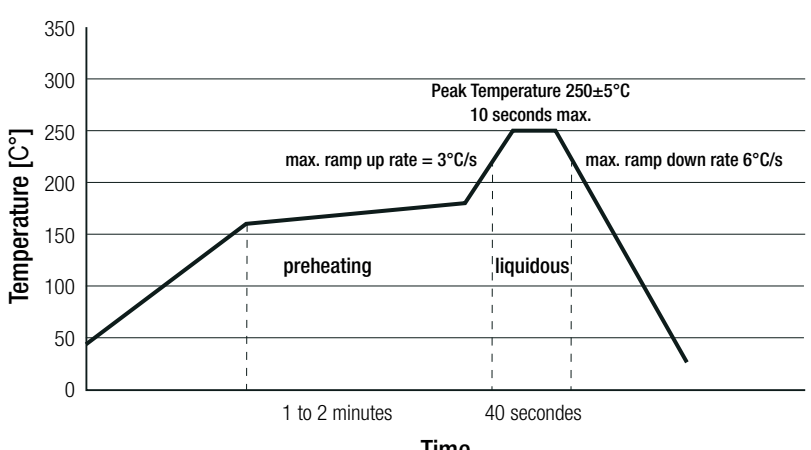
Impedance graph



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  Temperature [C°] Time Peak Temperature 250±5°C 10 seconds max. max. ramp up rate = 3°C/s max. ramp down rate 6°C/s preheating liquidous 1 to 2 minutes 40 seconds	

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.

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.