

Features

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

Line Inductors

Model Numbering



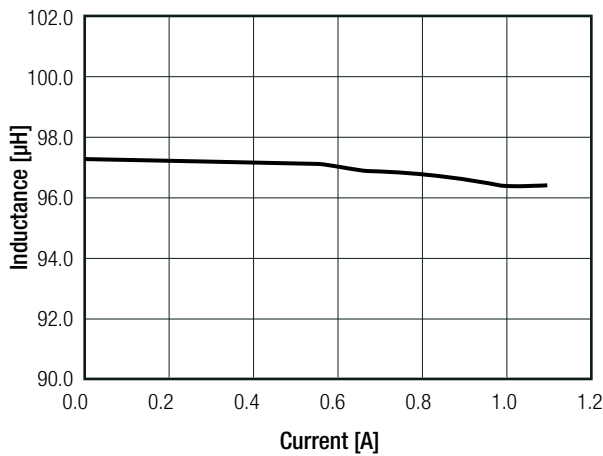
Notes:

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

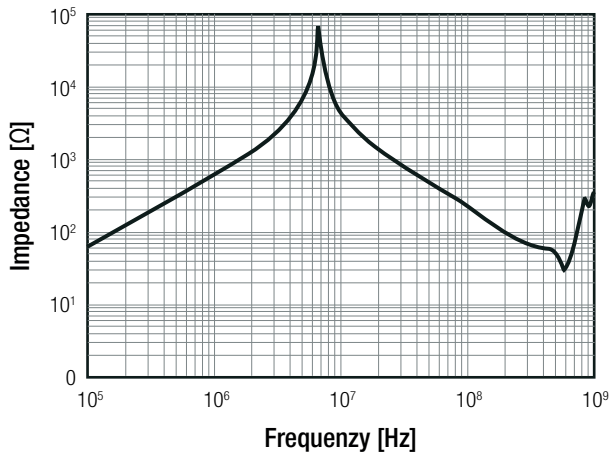
Specifications (measured @ Ta= 25°C, unless otherwise stated)

BASIC CHARACTERISTICS			
Parameter		Condition	Value
Inductance	L	100kHz/0.25mV	100µH ±10%
DC Resistance	RDC	@ 25°C	350mΩ max.
Rated Current	I _r	ΔT ≤ 40°C	1.02A max.
Saturation Current	I _{sat}	ΔL/L < 10%	1.1A typ.

Inductance vs. Current graph



Impedance graph



RLS-105

Line Inductors for RECOM Power Supply



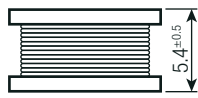
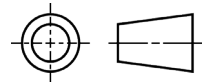
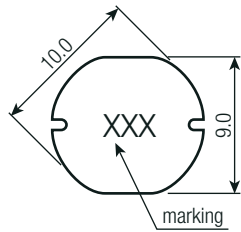
Specifications (measured @ Ta= 25°C, unless otherwise stated)

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

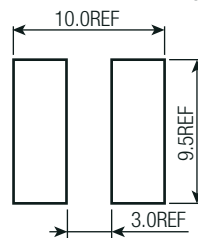
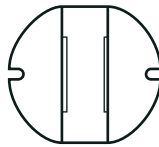
DIMENSION AND PHYSICAL CHARACTERISTICS

Parameter	Type	Value
Dimension (LxWxH)		10.0 x 9.0 x 5.4mm
Weight		1.80g typ.

Dimension Drawing (mm)



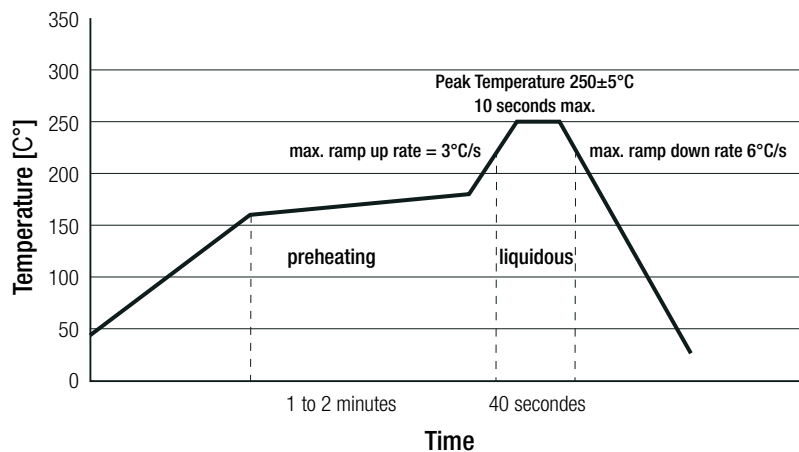
Recommended Footprint Details



Tolerance: xx.x= ±0.4mm

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)	355.0 x 340.0 x 35.0mm
	airbag	120.0 x 100.0 x 30.0mm
Packaging Quantity	tape and reel	500pcs
	airbag	50pcs
Tape Width		24.0mm
Storage Temperature Range		-55°C to +125°C
Storage Humidity	non-condensing	95% RH max.

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