

RLS-226-R Datasheet

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DiGi Electronics Part Number	RLS-226-R-DG
Manufacturer	Recom Power
Manufacturer Product Number	RLS-226-R
Description	FIXED IND 22UH 630MA 700MOHM SMD
Detailed Description	22 μ H Unshielded Wirewound Inductor 630 mA 700 mOhm Max 1812 (4532 Metric)

<https://www.DiGi-Electronics.com>



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Purchase and inquiry

Manufacturer Product Number:

RLS-226-R

Series:

-

Type:

Wirewound

Inductance:22 μ H**Current Rating (Amps):**

630 mA

Shielding:

Unshielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Mounting Type:

Surface Mount

Supplier Device Package:

1812

Height - Seated (Max):

0.122" (3.10mm)

Manufacturer:

Recom Power

Product Status:

Active

Material - Core:

-

Tolerance: \pm 10%**Current - Saturation (Isat):**

1A

DC Resistance (DCR):

700mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-40°C ~ 125°C

Features:

-

Package / Case:

1812 (4532 Metric)

Size / Dimension:

0.177" L x 0.126" W (4.50mm x 3.20mm)

Base Product Number:

RLS-226

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.8000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

Features

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

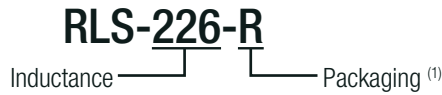
Line Inductors

RLS-226

Line Inductors for RECOM Power Supply



Model Numbering



Notes:

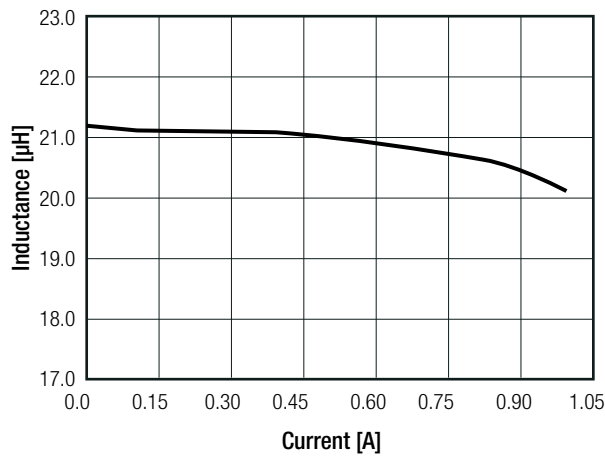
Note1: with suffix „-R“, standard packaging tape and reel without suffix optional airbag packaging

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

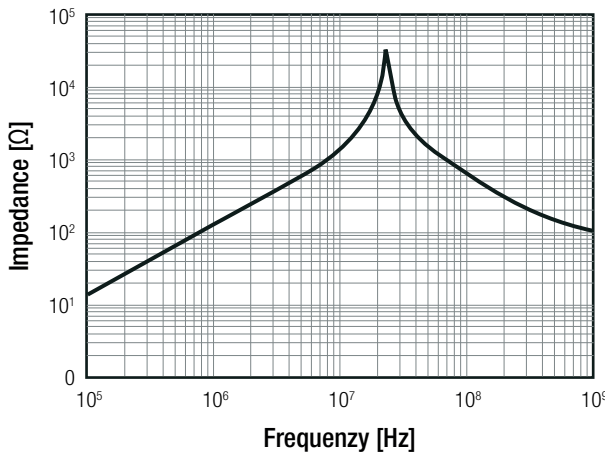
BASIC CHARACTERISTICS			
Parameter		Condition	Value
Inductance	L	100kHz/10mV	22.0µH ±10%
DC Resistance	RDC	@ 25°C	700mΩ max.
Rated Current	I _R	ΔT ≤ 40°C	0.63A max.
Saturation Current	I _{sat}	I ΔL/LI < 10%	1.0A typ.



Inductance vs. Current graph



Impedance graph



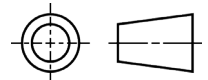
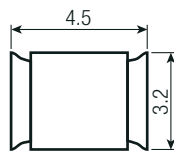
Specifications (measured @ Ta= 25°C, unless otherwise stated)

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

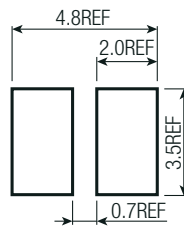
DIMENSION AND PHYSICAL CHARACTERISTICS

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

Dimension Drawing (mm)



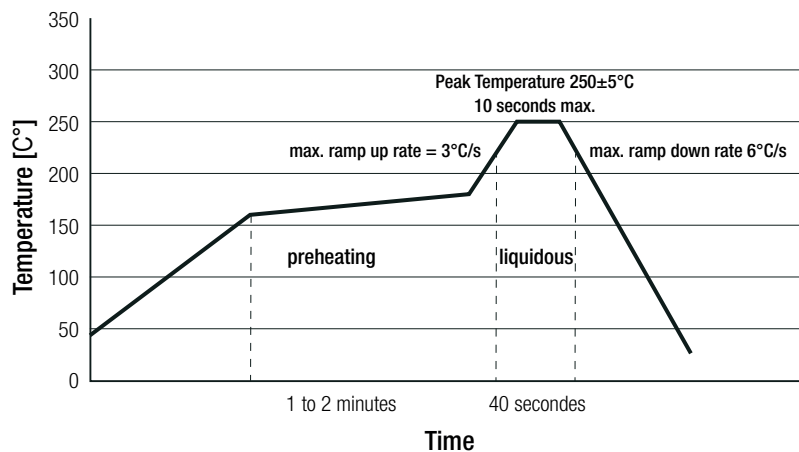
Recommended Footprint Details



Tolerance: xx.x= ±0.5mm

APPLICATION INFORMATION

Classification Reflow Profile for SMT





RLS-226

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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