SC30101KR ✔ ACTIVE

Sigma | Sigma SC

TE Internal #: 1624001-2

100 µH, Radio Frequency Inductor, 149 mA, 8 ohm DC Resistance, 10 %, Through Hole - Solder, Axial-Leaded, Taped & Reeled, Sigma SC

View on TE.com >

Passive Components > Inductors > High Frequency & RF Inductors

Inductor Type: **Radio Frequency**

Inductance: **100 µH**

Current Rating (Max): **149 mA**

DC Resistance: **8 Ω**

Inductor Quality Factor: **50**

Features

Product Type Features

Inductor Type	Radio Frequency
Element Type	Wire Wound

Electrical Characteristics

Self Resonant Frequency	.013 GHz
Inductance	100 µH
Current Rating (Max)	149 mA
DC Resistance	8 Ω
Passive Component Tolerance	10 %

Body Features

Lead Type	Axial-Leaded

Termination Features

Termination Method to PCB	Through Hole - Solder

Dimensions

Product Diameter	2.8 mm[.11 in]
Product Length	7 mm[.275 in]

Usage Conditions

Operating Temperature Range	-55 – 100 °C[-67 – 212 °F]

Packaging Features

Packaging Method	Taped & Reeled

Other

Inductor Quality Factor	50

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

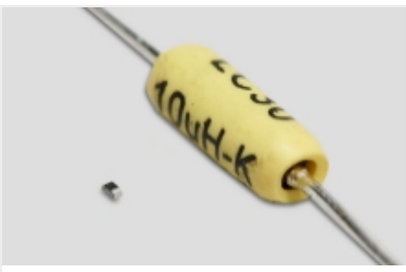
TE Part # 1624023-2
SC30-10-2519-10 3.3UH AMMO 1000

TE Part # 1624009-2
SC30-10-2513-10 1UH AMMO 1000

TE Part # 1624001-3
SC30-10-2537-10 100UH AMMO 1000

TE Part # 1623937-3
SC10-10-0525-10 10UH AMMO 1000

Also in the Series | Sigma SC



High Frequency & RF Inductors(78)

LC Connectors(3)

Printable Tubing(9)

SC Connectors(5)

Customers Also Bought

TE Part #1624112-2
3650 0603 12nH 5% 2K RL

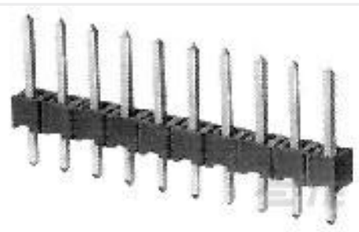
TE Part #1624112-5
3650 0603 33nH 5% 2K RL

TE Part #9-1624112-2
3650 0603 0.27uH 5% 2K RL

TE Part #4-2176067-9
CRG0201 1% 100R

TE Part #7-2176087-8
RP 1J 0.166W 442R 0.1% 25PPM 1K RL

TE Part #2176088-8
RP 1J 0.166W 887R 0.1% 25PPM 1K RL



TE Part #826646-6
6P AMPMODU II STIFT LEI

Documents

Product Drawings

SC30-10-2537-10 100UH REELED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624001-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1624001-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1624001-2_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Axial Leaded Power Inductors - Type SC10, SC15, SC30 Series - Tyco Electronics Passives

English