36502A47NKTDG ✔ ACTIVE

Sigma | Sigma 3650

TE Internal #: 1624113-4

.047 µH, High Frequency Inductor, 500 mA, .31 ohm DC Resistance, 0805, 10 %, Surface Mount, Taped & Reeled, 2.29 mm [.09 in] Length, Sigma 3650

View on TE.com >

Passive Components > Inductors > High Frequency & RF Inductors

Inductor Type: **High Frequency**

Package Size Code: **0805**

Inductance: **.047 µH**

Current Rating (Max): **500 mA**

DC Resistance: **.31 Ω**

Features

Product Type Features

Inductor Type	High Frequency
Package Size Code	0805
Element Type	Wire Wound

Electrical Characteristics

Self Resonant Frequency	1.65 GHz
Inductance	.047 µH
Current Rating (Max)	500 mA
DC Resistance	.31 Ω
Passive Component Tolerance	10 %

Termination Features

Termination Method to PCB	Surface Mount

Dimensions

Product Length	2.29 mm[.09 in]
Product Width	1.73 mm[.068 in]
Product Height	1.52 mm[.059 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Packaging Features

Packaging Method	Taped & Reeled

Other

Inductor Quality Factor	60

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	Compliant
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 2025 (250) 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	Reflow solder capable to 260°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 # 1624112-8
3650 0603 68nH 5% 2K RL

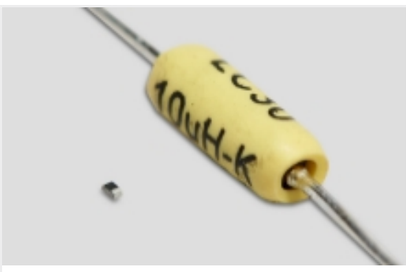
TE Part # 6-1624113-2
3650 0805 0.56uH 5% 2K RL

TE Part # 4-1879023-8
3650 1008 10uH 5% 2K RL

TE Part # 5-1624113-2
3650 0805 0.22uH 5% 2K RL

TE Part # 4-1624112-4
3650 0402 16nH 5% 2K RL

Also in the Series | Sigma 3650



High Frequency & RF Inductors(225)

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

3650 0805 47nH 10% 2K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624113-4_BA1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1624113-4_BA1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1624113-4_BA1.3d_stp.zip

English

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Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

Low Inductance, High Frequency Chip Inductors - Type 3650 Series

English