



Sigma | Sigma 3650

TE Internal #: 3-2176086-8

TE Internal Description: 3654 0402 36nH 5% 2K RL

[View on TE.com >](#)

Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **High Frequency**

Package Size Code: **0402**

Inductance: **.036 μ H**

Current Rating (Max): **480 mA**

DC Resistance: **.38 Ω**

Features

Product Type Features

| | |
|-------------------|----------------|
| Inductor Type | High Frequency |
| Package Size Code | 0402 |
| Element Type | Wire Wound |

Electrical Characteristics

| | |
|-----------------------------|--------------|
| Self Resonant Frequency | 2.8 GHz |
| Inductance | .036 μ H |
| Current Rating (Max) | 480 mA |
| DC Resistance | .38 Ω |
| Passive Component Tolerance | 5 % |

Termination Features

| | |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

Packaging Features

| | |
|------------------|----------------|
| Packaging Method | Taped & Reeled |
|------------------|----------------|

Other

| | |
|-------------------------|----|
| Inductor Quality Factor | 59 |
|-------------------------|----|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

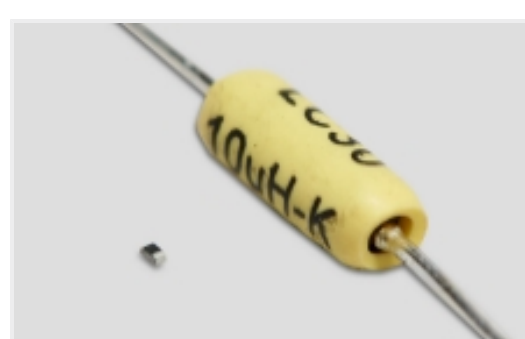


| | |
|---|---|
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2022 (224) 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>

Also in the Series | **Sigma 3650**



High Frequency & RF Inductors(225)

Customers Also Bought

TE Part #640445-2
02P MTA156 HDR ASSY FL/STR SN

TE Part #6-1879132-2
RN 0402 39K2 0.1% 10PPM 1K RL

TE Part #2176309-7
RP 1E 0.1W 11R5 0.1% 25PPM 1K RL

TE Part #6-2176311-6
RP 1E 0.1W 5K49 0.1% 25PPM 1K RL



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-2176086-8_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2176086-8_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2176086-8_BA.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Low Inductance, High Frequency Chip Inductors - Type 3650 Series](#)

English