



Sigma

TE Internal #: 6-1624108-9

TE Internal Description: 3640 0402 17nH 2% 1K RL

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Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **High Frequency**

Package Size Code: **0402**

Inductance: **.017 μ H**

Current Rating (Max): **100 mA**

DC Resistance: **1.95 Ω**

Features

Product Type Features

Inductor Type	High Frequency
Package Size Code	0402
Element Type	Thin Film

Electrical Characteristics

Self Resonant Frequency	3.1 GHz
Inductance	.017 μ H
Current Rating (Max)	100 mA
DC Resistance	1.95 Ω
Passive Component Tolerance	2 %

Termination Features

Termination Method to PCB	Surface Mount
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Packaging Features

Packaging Method	Taped & Reeled
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Other

Inductor Quality Factor	13
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC

Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

No Restricted Materials 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>

Customers Also Bought



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_6-1624108-9_BA.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6-1624108-9_BA.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_6-1624108-9_BA.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[High Frequency Inductors SMD - Type 3640 Series](#)

English