

36501E8N2JTDG

✓ ACTIVE

Sigma | Sigma 3650

TE Internal #: 3-1624112-1

High Frequency Inductor, 0402, .0082 μ H, 680 mA, .104 ohm DC Resistance, 5 %, Surface Mount, Taped & Reeled, 1.27 mm [.05 in] Length, Sigma 3650

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Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **High Frequency**
Package Size Code: **0402**
Inductance: **.0082 μ H**
Current Rating (Max): **680 mA**
DC Resistance: **.104 Ω**

Features

Product Type Features

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

Electrical Characteristics

Self Resonant Frequency	4.4 GHz
Inductance	.0082 μ H
Current Rating (Max)	680 mA
DC Resistance	.104 Ω
Passive Component Tolerance	5 %

Termination Features

Termination Method to PCB	Surface Mount
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Dimensions

Product Length	1.27 mm[.05 in]
Product Width	.76 mm[.029 in]
Product Height	.61 mm[.024 in]

Usage Conditions

Operating Temperature Range	-40 – 125 $^{\circ}$ C
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Packaging Features



Packaging Method	Taped & Reeled
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Other

Inductor Quality Factor	22
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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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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>

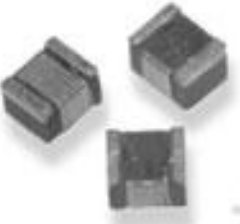
Compatible Parts



TE Part # 1624112-8
3650 0603 68nH 5% 2K RL



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



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



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

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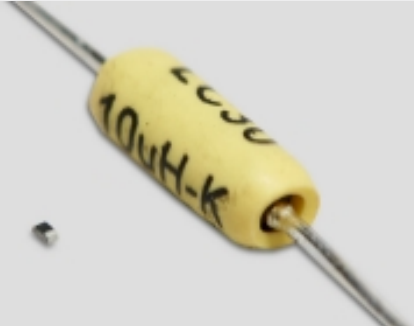
High Frequency Inductor, 0402, .0082 μ H, 680 mA, .104 ohm DC Resistance, 5 %, Surface Mount, Taped & Reeled, 1.27 mm [.05 in] Length, Sigma 3650





TE Part # 5-1624113-2
[3650 0805 0.22uH 5% 2K RL](#)

Also in the Series | [Sigma 3650](#)



[High Frequency & RF Inductors\(226\)](#)

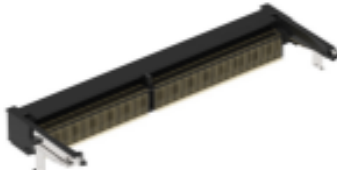
Customers Also Bought



TE Part #1-1123723-2
[3.96 EP HDR ASSY 2P\(NATURAL\)](#)



TE Part #3-1624112-9
[3650 0402 8.7nH 5% 2K RL](#)



TE Part #2309413-1
[DDR4 SODIMM 260P 9.2H STD](#)



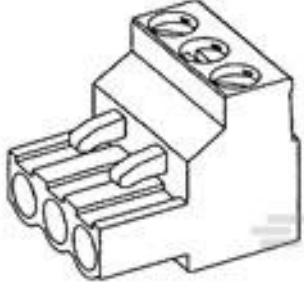
TE Part #1-1478979-0
[SMA STR PCB SKT GSS](#)



TE Part #4-1971793-1
[NEW GI CONN2.5 PLUG HSG 4P NC](#)



TE Part #5-104935-3
[03 MTE HDR SRRA LATCH](#)



TE Part #796634-3
[3 POS 5.08MM R/A PLUG,TRM BLK](#)



TE Part #1623401-1
[CRG0805 ZEROHM](#)



TE Part #5102154-9
[A/L UNIV HDR 40P VERT](#)

TE Part #6162-253-1677
[COAX SOC ASSY](#)



Documents

Product Drawings

3650 0402 8.2nH 5% 2K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1624112-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1624112-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1624112-1_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

Low Inductance, High Frequency Chip Inductors - Type 3650 Series

English