



Sigma | Sigma 3650

TE Internal #: 8-1624112-0

High Frequency Inductor, 0603, .03  $\mu$ H, 600 mA, .15 ohm DC Resistance, 5 %, Surface Mount, Taped & Reeled, Length 1.8 mm [.07 in], Sigma 3650

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Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **High Frequency**

Package Size Code: **0603**

Inductance: **.03  $\mu$ H**

Current Rating (Max): **600 mA**

DC Resistance: **.15  $\Omega$**

**Features**

**Product Type Features**

Inductor Type	High Frequency
Package Size Code	0603
Element Type	Wire Wound

**Electrical Characteristics**

Self Resonant Frequency	2.8 GHz
Inductance	.03 $\mu$ H
Current Rating (Max)	600 mA
DC Resistance	.15 $\Omega$
Passive Component Tolerance	5 %

**Termination Features**

Termination Method to PCB	Surface Mount
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**Dimensions**

Product Length	1.8 mm[.07 in]
Product Width	1.12 mm[.044 in]
Product Height	1.02 mm[.04 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	37
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 5-1624113-2  
3650 0805 0.22uH 5% 2K RL



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



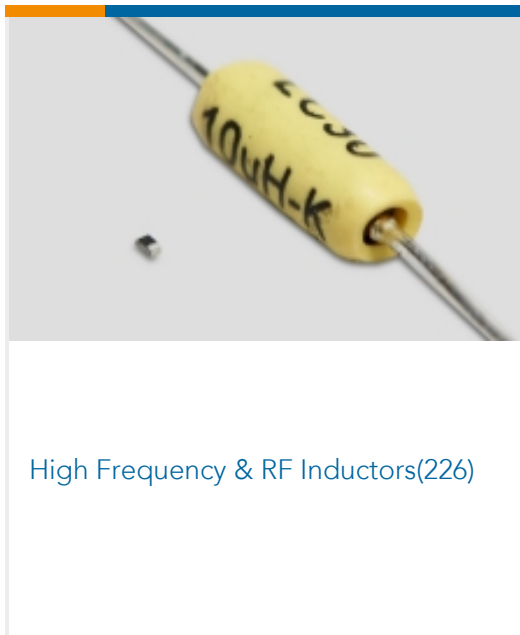
TE Part # 6-1624113-2  
3650 0805 0.56uH 5% 2K RL



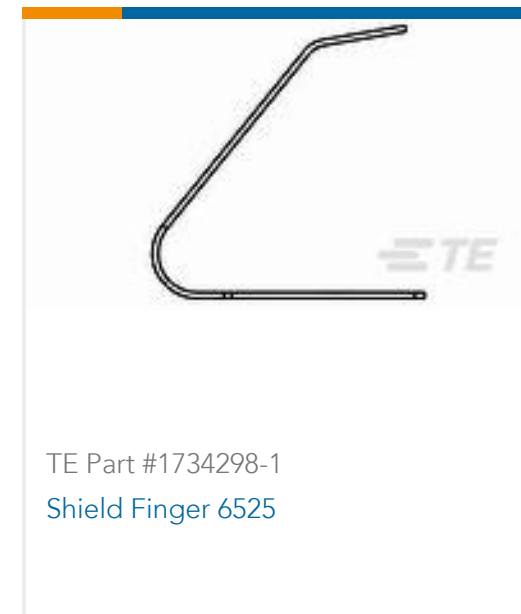
TE Part # 4-1879023-8  
3650 1008 10uH 5% 2K RL



### Also in the Series | Sigma 3650



### Customers Also Bought



### Documents

[Product Drawings](#)  
[3650 0603 30nH 5% 2K RL](#)

English

### CAD Files

[3D PDF](#)

[3D](#)



**Customer View Model**

[ENG\\_CVM\\_CVM\\_8-1624112-0\\_BA.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_8-1624112-0\\_BA.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_8-1624112-0\\_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