



Sigma | Sigma 3613

TE Internal #: 2-1624094-2

.22 μ H Molded SMD Inductor, 665 mA, .25 ohm DC Resistance, 40

Quality Factor, 20 %, 4.5 mm [.177 in] Length, 3.2 mm [.125 in]

Width, Sigma 3613

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Passive Components > Inductors > Molded SMD Inductors



Inductance: **.22 μ H**
Current Rating (Max): **665 mA**
DC Resistance: **.25 Ω**
Inductor Quality Factor: **40**
Passive Component Tolerance: **20 %**

Features

Product Type Features

Element Type	Wire Wound
Package Size Code	1812

Electrical Characteristics

Self Resonant Frequency	165 MHz
Inductance	.22 μ H
Current Rating (Max)	665 mA
DC Resistance	.25 Ω
Passive Component Tolerance	20 %

Dimensions

Product Length	4.5 mm[.177 in]
Product Width	3.2 mm[.125 in]
Product Height	3.2 mm[.125 in]

Usage Conditions

Operating Temperature Range	-30 – 100 $^{\circ}$ C
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Packaging Features

Packaging Method	Taped & Reeled
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Other

Inductor Quality Factor	40
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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: JAN 2025 (247) 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 # 1-1624094-6
3613C 47UH 10%



TE Part # 1624094-6
3613C 1.0UH 10%



TE Part # 1624094-1
3613C 10UH 10%



TE Part # 1624094-2
3613C 100UH 10%



Also in the Series | [Sigma 3613](#)



Customers Also Bought





Documents

Product Drawings

3613C 0.22UH 20%

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1624094-2_BB.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1624094-2_BB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1624094-2_BB.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

Moulded Chip Inductor 18:12 - Type 3613C Series - Tyco Electronics Passives

English