



Passive Components > Inductors > Molded SMD Inductors



Inductance: .68 μ H
Current Rating (Max): 500 mA
DC Resistance: .4 Ω
Inductor Quality Factor: 40
Passive Component Tolerance: 20 %

Features

Product Type Features

Package Size Code	1812
Element Type	Wire Wound

Electrical Characteristics

Self Resonant Frequency	25 MHz
Inductance	.68 μ H
Current Rating (Max)	500 mA
DC Resistance	.4 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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 245°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

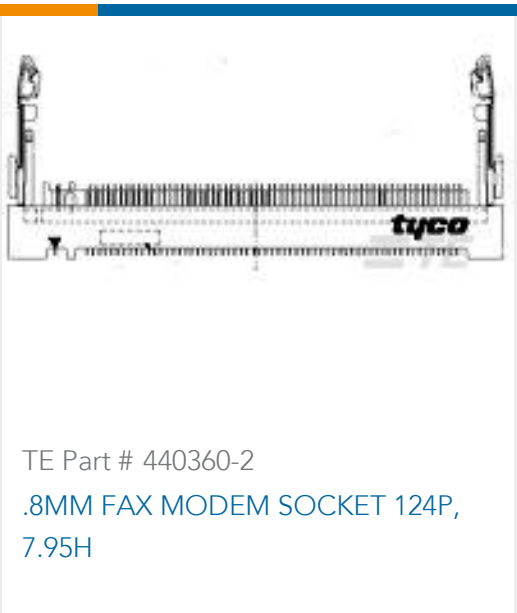
 TE Part # 1624094-2 3613C 100UH 10%	 TE Part # 1624094-1 3613C 10UH 10%	 TE Part # 1624094-6 3613C 1.0UH 10%	 TE Part # 1624094-8 3613C 22UH 10%
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Also in the Series | Sigma 3613



Customers Also Bought



Documents

Product Drawings
3613C 0.68UH 20%

English

CAD Files
Customer View Model
ENG_CVM_CVM_2-1624094-5_BB.2d_dxf.zip

3613CR68M

.68 µH Molded SMD Inductor, 500 mA, .4 Ω DC Resistance, 40, 20 %, Length .177 in [4.5 mm], Width 3.2 mm [.125 in], Height .125 in [3.2 mm], Sigma 3613



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1624094-5_BB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1624094-5_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