

# 3613C101K ✓ ACTIVE

Sigma | Sigma 3613

TE Internal #: 1624094-2

100  $\mu$ H Molded SMD Inductor, 110 mA, 8 ohm DC Resistance, 40

Quality Factor, 10 %, 4.5 mm [.177 in] Length, 3.2 mm [.125 in]

Width, Sigma 3613

[View on TE.com >](#)



Passive Components > Inductors > Molded SMD Inductors



Inductance: **100  $\mu$ H**

Current Rating (Max): **110 mA**

DC Resistance: **8  $\Omega$**

Inductor Quality Factor: **40**

Passive Component Tolerance: **10 %**

## Features

### Product Type Features

Element Type	Wire Wound
Package Size Code	1812

### Packaging Features

Packaging Method	Taped & Reeled
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### Usage Conditions

Operating Temperature Range	-30 – 100 $^{\circ}$ C
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### Electrical Characteristics

Self Resonant Frequency	8 MHz
Inductance	100 $\mu$ H
Current Rating (Max)	110 mA
DC Resistance	8 $\Omega$
Passive Component Tolerance	10 %

### Dimensions

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

### Other

Inductor Quality Factor	40
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EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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 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

 <p>TE Part # 1-1624094-6 3613C 47UH 10%</p>	 <p>TE Part # 1-1624094-3 3613C 33UH 10%</p>	 <p>TE Part # 1624094-6 3613C 1.0UH 10%</p>	 <p>TE Part # 1624094-1 3613C 10UH 10%</p>
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TE Part # 1-1624094-4  
3613C 330UH 10%



TE Part # 2-1624094-2  
3613C 0.22UH 20%



TE Part # 1624094-5  
3613C 150UH 10%



TE Part # 2-1624094-5  
3613C 0.68UH 20%



TE Part # 1-1624094-8  
3613C 4.7UH 10%



TE Part # 2-1624094-7  
3613C 8.2UH 10%



TE Part # 2-1624094-3  
3613C 0.33UH 20%



TE Part # 1-1624094-7  
3613C 470UH 10%



TE Part # 1-1624094-5  
3613C 3.3UH 10%



TE Part # 1-1624094-2  
3613C 2.2UH 10%



TE Part # 1624094-8  
3613C 22UH 10%



TE Part # 1624094-9  
3613C 220UH 10%



TE Part # 2-1624094-4  
3613C 0.47UH 20%



TE Part # 1-1624094-9  
3613C 5.6UH 10%

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



Molded SMD Inductors(19)

Customers Also Bought



TE Part #1625960-3  
HBA RE 10M 1% 100PPM



TE Part #1625856-2  
RH73 2A 100M 10% 100PPM 1K RL



TE Part #2-1879023-5  
3650 1008 0.33uH 5% 2K RL



TE Part #3-1622820-4  
3520 2R2 5%



TE Part #6-1879208-2  
CPF 0402 3K6 0.1% 25PPM 1K RL



TE Part #281739-6  
HEADER HE14 STRAIGHT 2X6 P



TE Part #CAT-C339-A76A  
SMD Power Resistor: 2 Watt, 3521 Series



TE Part #9-338069-0  
MICRO-MATCH SMD FTE



TE Part #4-1624113-9  
3650 0805 0.15uH 5% 2K RL

## Documents

### Product Drawings

[3613C 100UH 10%](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1624094-2\\_BB.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1624094-2\\_BB.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_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

3613C101K

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### 1309350\_PASSIVE\_COMPONENT

English

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

English