3613C100K ✔ ACTIVE

Sigma | Sigma 3613

TE Internal #: 1624094-1

10 µH Molded SMD Inductor, 250 mA, 1.6 Ω DC Resistance, 50, 10 %, Length .177 in [4.5 mm], Width 3.2 mm [.125 in], Height .125 in [3.2 mm], Sigma 3613

View on TE.com >

Passive Components > Inductors > Molded SMD Inductors



Inductance: **10 µH**

Current Rating (Max): **250 mA**

DC Resistance: **1.6 Ω**

Inductor Quality Factor: **50**

Passive Component Tolerance: **10 %**

Features

Product Type Features

Package Size Code	1812
Element Type	Wire Wound

Electrical Characteristics

Self Resonant Frequency	20 MHz
Inductance	10 µH
Current Rating (Max)	250 mA
DC Resistance	1.6 Ω
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]

Usage Conditions

Operating Temperature Range	-30 - 100 °C

Packaging Features

Packaging Method	Taped & Reeled

Other

Inductor Quality Factor	50

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: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1-1624094-5
3613C 3.3UH 10%



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



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



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

10 µH Molded SMD Inductor, 250 mA, 1.6 Ω DC Resistance, 50, 10 %, Length .177 in [4.5 mm], Width 3.2 mm [.125 in], Height .125 in [3.2 mm], Sigma 3613



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



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



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



TE Part # 1-1624094-3
3613C 33UH 10%



TE Part # 1-1624094-6
3613C 47UH 10%



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



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



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



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



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



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



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



TE Part # 1-1624094-4
3613C 330UH 10%



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

Also in the Series | Sigma 3613



Molded SMD Inductors(19)

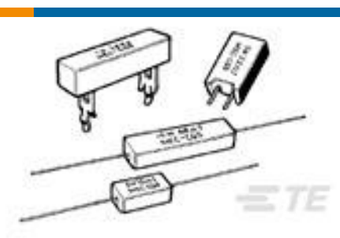
Customers Also Bought



TE Part # 1415055-1
SR4D4012



TE Part # 178323-3
DYNAMIC D3100D HDR V 6P ASSY AU076



TE Part # 1-1623783-4
SQM7 47K 5% (METAL FILM)



TE Part # 3-2176231-3
3522 220R 1% 3W



TE Part # 9-1415029-1
PB114024



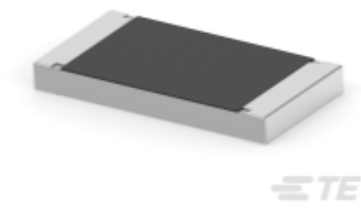
TE Part # 1473565-3
RITS CONN.HDR ASSY 3P



TE Part # 5-1879208-6
CPF 0402 2K0 0.1% 25PPM 1K RL



TE Part # 5-2176349-6
CRGCQ 2512 390K 1%



TE Part # 4-2176350-0
CRGCQ 2512 3M3 5%

Documents

Product Drawings

3613C 10UH 10%

English

CAD Files

Customer View Model

ENG_CVM_CVM_1624094-1_BB.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624094-1_BB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1624094-1_BB.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

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

English