3613C471K ✔ ACTIVE

Sigma | Sigma 3613

TE Internal #: 1-1624094-7

470 µH Molded SMD Inductor, 62 mA, 26 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: **470 µH**

Current Rating (Max): **62 mA**

DC Resistance: **26 Ω**

Inductor Quality Factor: **40**

Passive Component Tolerance: **10 %**

Features

Product Type Features

Element Type	Wire Wound
Package Size Code	1812

Electrical Characteristics

Self Resonant Frequency	3 MHz
Inductance	470 µH
Current Rating (Max)	62 mA
DC Resistance	26 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[-22 – 212 °F]

Packaging Features

Packaging Method	Taped & Reeled

Other

Inductor Quality Factor	40

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1624094-6
3613C 1.0UH 10%



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



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

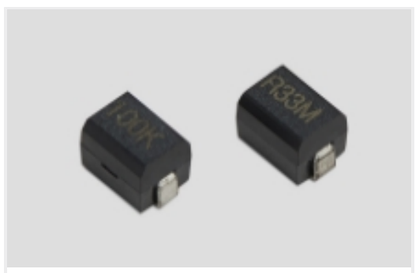


TE Part # 1624094-8
3613C 22UH 10%



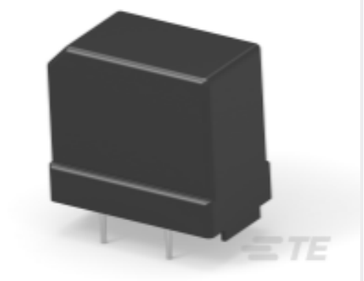
TE Part # 1624094-2
3613C 100UH 10%

Also in the Series | Sigma 3613



Molded SMD Inductors(19)

Customers Also Bought



TE Part #816568-SF
RN222-3-02-4M5



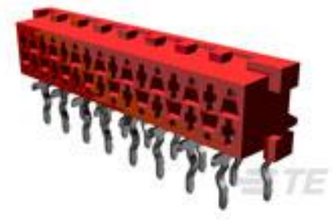
TE Part #1SET411303R0000
WD-1-RT-6080



TE Part #130519
TERM, SOLIS, SPADE, 22-16, M4(8)



TE Part #170038-1
187 FASTON,REC.,20-16 AWG,BR



TE Part #2-215460-0
MICRO-MATCH FEM.SE



TE Part #1676288-2
RN 0805 2K37 0.1% 10PPM 1KRL



TE Part #1676294-2
RN 0805 2K74 0.1% 10PPM 1KRL



TE Part #1676319-2
RN 0805 38K3 0.1% 10PPM 1KRL



TE Part #1676320-2
RN 0805 392R 0.1% 10PPM 1KRL



TE Part #5102160-3
A/L UNIV HDR 16P RA

Documents

Product Drawings

3613C 470UH 10%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1624094-7_BB1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1624094-7_BB1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1624094-7_BB1.3d_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