

SC30681KT

✓ ACTIVE

Sigma | Sigma SC

TE Internal #: 1624032-1

Radio Frequency Inductor, 680  $\mu$ H, 54 mA, 60 ohm DC Resistance, 10 %, Through Hole - Solder, Axial-Leaded, Ammo Packed, 7 mm [.275 in] Length, Sigma SC

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Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **Radio Frequency**

Inductance: **680  $\mu$ H**

Current Rating (Max): **54 mA**

DC Resistance: **60  $\Omega$**

Inductor Quality Factor: **30**

Features

Product Type Features

Inductor Type	Radio Frequency
Element Type	Wire Wound

Electrical Characteristics

Self Resonant Frequency	.004 GHz
Inductance	680 $\mu$ H
Current Rating (Max)	54 mA
DC Resistance	60 $\Omega$
Passive Component Tolerance	10 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Dimensions

Product Diameter	2.8 mm[.11 in]
Product Length	7 mm[.275 in]

Usage Conditions

Operating Temperature Range	-55 – 100 $^{\circ}$ C
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Packaging Features

Packaging Method	Ammo Packed
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Other

Inductor Quality Factor	30
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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	Not Yet Reviewed
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: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°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 # 1624019-2 SC30-10-2531-10 33UH AMMO 1000	  TE Part # 1623937-3 SC10-10-0525-10 10UH AMMO 1000	  TE Part # 1624009-2 SC30-10-2513-10 1UH AMMO 1000	  TE Part # 1624023-2 SC30-10-2519-10 3.3UH AMMO 1000
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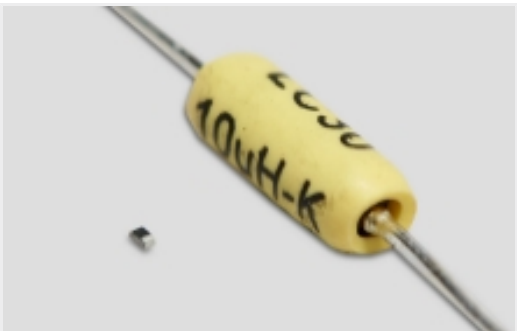
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Radio Frequency Inductor, 680 µH, 54 mA, 60 ohm DC Resistance, 10 %, Through Hole - Solder, Axial-Leaded, Ammo Packed, 7 mm [.275 in] Length, Sigma SC



TE Part # 1624001-3  
SC30-10-2537-10 100UH AMMO 1000

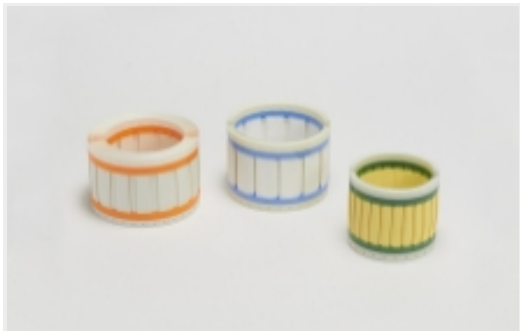
Also in the Series | Sigma SC



High Frequency & RF Inductors(78)



LC Connectors(3)



Printable Tubing(9)



SC Connectors(5)

Customers Also Bought



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #DT04-2P  
REC, 2P, GRY, N



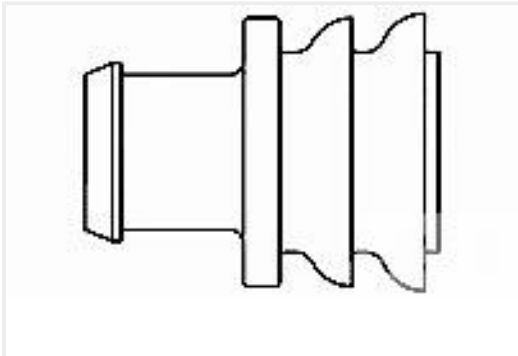
TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1624032-1\_BA.2d\_dxf.zip

English



Customer View Model

[ENG\\_CVM\\_CVM\\_1624032-1\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1624032-1\\_BA.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

[Axial Leaded Power Inductors - Type SC10, SC15, SC30 Series - Tyco Electronics Passives](#)

English