



Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **Radio Frequency**
Inductance: **10 μ H**
Current Rating (Max): **219 mA**
DC Resistance: **3.7 Ω**
Inductor Quality Factor: **55**

Features

Product Type Features

Inductor Type	Radio Frequency
Element Type	Wire Wound

Electrical Characteristics

Self Resonant Frequency	.05 GHz
Inductance	10 μ H
Current Rating (Max)	219 mA
DC Resistance	3.7 Ω
Passive Component Tolerance	10 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Method to Printed Circuit Board	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	55
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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	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 # 1624009-2 SC30-10-2513-10 1UH AMMO 1000	 TE Part # 1623937-3 SC10-10-0525-10 10UH AMMO 1000	 TE Part # 1624001-3 SC30-10-2537-10 100UH AMMO 1000	 TE Part # 1624023-2 SC30-10-2519-10 3.3UH AMMO 1000
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SC30100KT

Radio Frequency Inductor, 10 μ H, 219 mA, 3.7 Ω DC Resistance, 10 %, Through Hole - Solder, Axial-Leaded, Ammo Packed, Length .275 in [7 mm], Sigma SC



TE Part # 1624019-2

[SC30-10-2531-10 33UH AMMO 1000](#)

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

High Frequency & RF Inductors(82)

LC Connectors(4)

Printable Tubing(9)

SC Connectors(5)

Customers Also Bought

TE Part # 5-166051-1

[HD 20 SOCKET ON MINI-REEL 500](#)

TE Part # 2-5332095-4

[SOCKET,MIN-SPR SN-AU SER-1](#)

TE Part # 5-1462039-6

[IM06PGR=IM RELAY 140mW 12V](#)

TE Part # 350180

[TEST PROBE ASSEMBLY, REC, PA66, BLACK](#)

TE Part # 350180-2

[TEST PROBE REC130L SPCL RED GPBR](#)

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1624000-3_BA.2d_dxf.zip](#)

[English](#)



Customer View Model

[ENG_CVM_CVM_1624000-3_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1624000-3_BA.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

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

English