SC30681KT ✔ ACTIVE

Sigma | Sigma SC

TE Internal #: 1624032-1

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

View on TE.com >

Passive Components > Inductors > High Frequency & RF Inductors

Inductor Type: **Radio Frequency**

Inductance: **680 µH**

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

DC Resistance: **60 Ω**

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 µH
Current Rating (Max)	54 mA
DC Resistance	60 Ω
Passive Component Tolerance	10 %

Body Features

Lead Type	Axial-Leaded

Termination Features

Termination Method to PCB	Through Hole - Solder

Dimensions

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

Usage Conditions

Operating Temperature Range	-55 – 100 °C

Packaging Features

Packaging Method	Ammo Packed

Other

Inductor Quality Factor	30

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

Compatible Parts

TE Part # 1624019-2
SC30-10-2531-10 33UH AMMO 1000

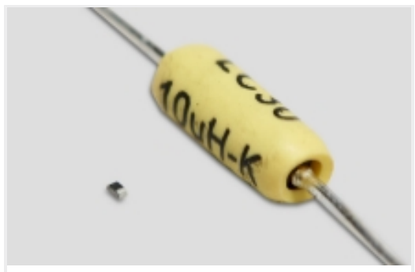
TE Part # 1623937-3
SC10-10-0525-10 10UH AMMO 1000

TE Part # 1624009-2
SC30-10-2513-10 1UH AMMO 1000

TE Part # 1624023-2
SC30-10-2519-10 3.3UH AMMO 1000

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

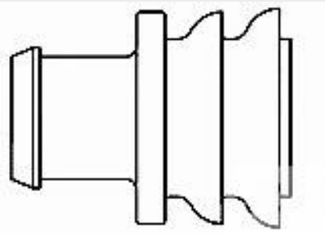
TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts

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

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

Axial Leaded Power Inductors - Type SC10, SC15, SC30 Series - Tyco Electronics Passives

English