



Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **Radio Frequency**

Inductance: **47 μ H**

Current Rating (Max): **198 mA**

DC Resistance: **4.5 Ω**

Inductor Quality Factor: **45**

Features

Product Type Features

| | |
|---------------|-----------------|
| Inductor Type | Radio Frequency |
| Element Type | Wire Wound |

Electrical Characteristics

| | |
|-----------------------------|--------------|
| Self Resonant Frequency | .02 GHz |
| Inductance | 47 μ H |
| Current Rating (Max) | 198 mA |
| DC Resistance | 4.5 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 $^{\circ}$ C |
|-----------------------------|------------------------|



Packaging Features

| | |
|------------------|-------------|
| Packaging Method | Ammo Packed |
|------------------|-------------|

Other

| | |
|-------------------------|----|
| Inductor Quality Factor | 45 |
|-------------------------|----|

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Wave solder capable to 265°C |

Product Compliance Disclaimer

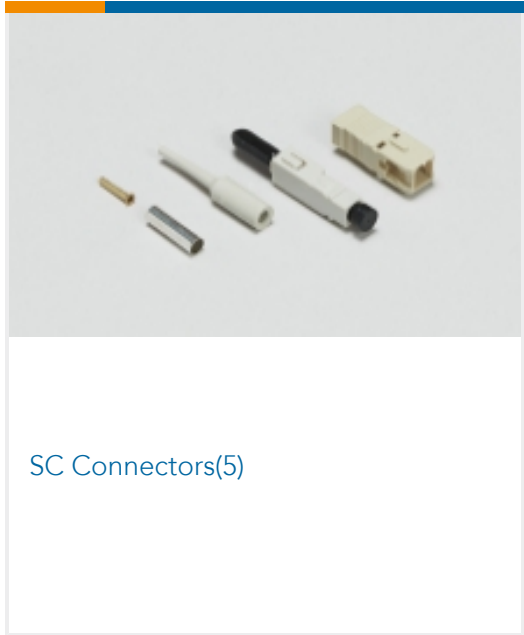
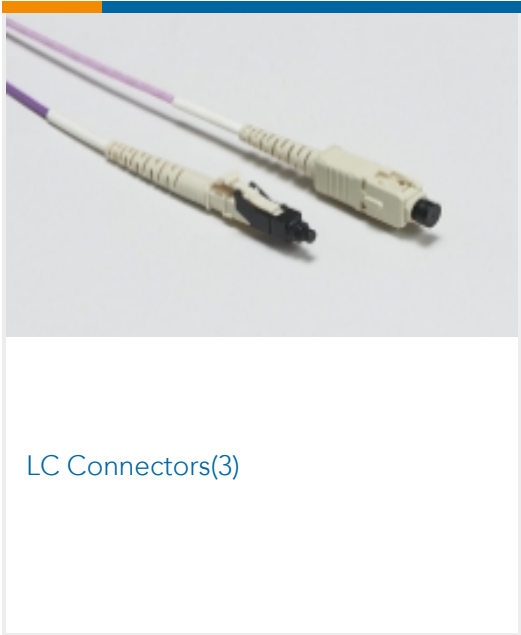
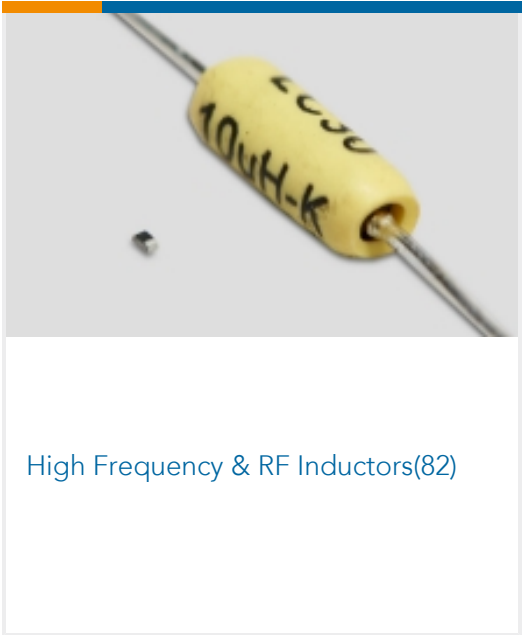
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

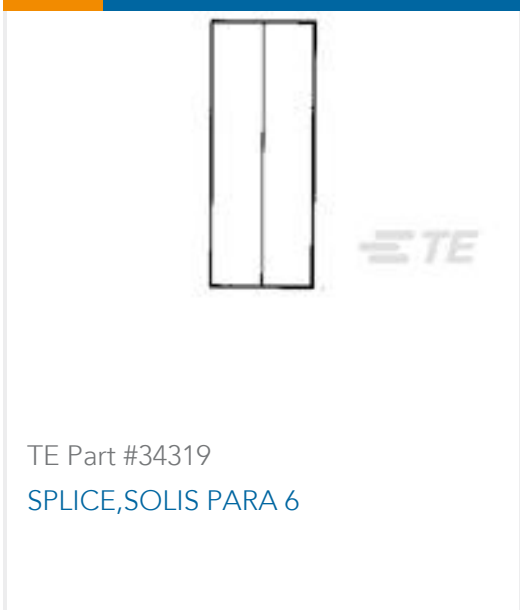
| | | | |
|---|--|---|---|
|  TE Part # 1624009-2 SC30-10-2513-10 1UH AMMO 1000 |  TE Part # 1623937-3 SC10-10-0525-10 10UH AMMO 1000 |  TE Part # 1624001-3 SC30-10-2537-10 100UH AMMO 1000 |  TE Part # 1624023-2 SC30-10-2519-10 3.3UH AMMO 1000 |
|---|--|---|---|



Also in the Series | Sigma SC



Customers Also Bought



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624025-3_BA.2d_dxf.zip

English



Customer View Model

[ENG_CVM_CVM_1624025-3_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1624025-3_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