



Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **Radio Frequency**
Inductance: **10000 μ H**
Current Rating (Max): **24 mA**
DC Resistance: **137 Ω**
Inductor Quality Factor: **40**

Features

Product Type Features

Inductor Type	Radio Frequency
Element Type	Wire Wound

Electrical Characteristics

Inductance	10000 μ H
Current Rating (Max)	24 mA
DC Resistance	137 Ω
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	4.1 mm[.161 in]
Product Length	10.4 mm[.409 in]

Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}$ C[-67 – 221 $^{\circ}$ F]
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Packaging Features

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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 2023 (235) 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	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

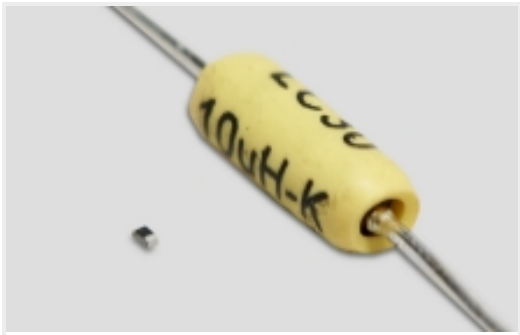
TE Part # 1624090-1
MSC60 8200UH 10% TAPED

TE Part # 1624084-1
MSC60 470UH 10% TAPED



Also in the Series

Sigma MSC



High Frequency & RF Inductors(3)

Customers Also Bought



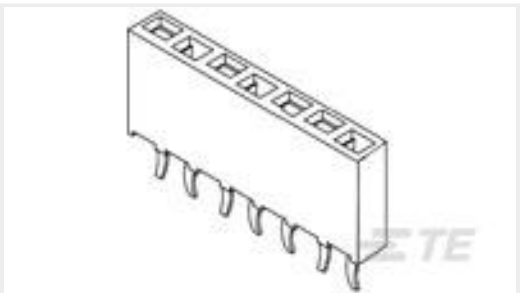
TE Part #40777

RING TERMINAL 20-16 AWG BR



TE Part #1-148059-5

096 EURO TYP C RECP 17MM ASSY



TE Part #215297-2

2P HV100 REC CON. TE, 7.0MM



TE Part #3-641210-5

05P MTA156 HDR FLRA FB 30AU LF



TE Part #1-1123723-5

3.96 EP HDR ASSY 5P(NATURAL)



TE Part #1676389-1

RN 0805 5K62 0.1% 10PPM CUT LENGTH



TE Part #2-2176158-2

TLM 2512 1.0W R022 1% 50PPM 4K RL



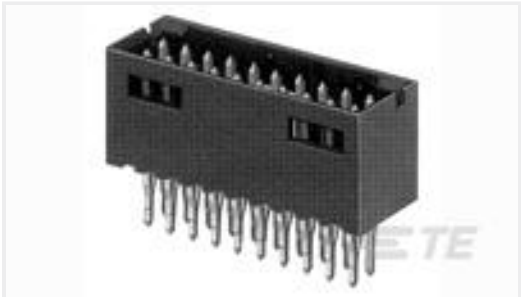
TE Part #5650861-4

ASSEMBLY,RECEPTACLE,EUROCARD, TYPE B,LEAD



TE Part #5787617-8

RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Part #102699-2

06 MODII HDR DRST SHRD A/PIN

Documents

Product Drawings

MSC60 10000UH 10% TAPED

English

CAD Files

Customer View Model

ENG_CVM_CVM_1624072-1_BA.2d_dxf.zip

MSC60103KT

10000 µH, Radio Frequency Inductor, 24 mA, 137 ohm DC Resistance, 10 %, Through Hole - Solder, Axial-Leaded, Taped & Reeled, Sigma MSC



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1624072-1_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1624072-1_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

[RF Inductor Moulded - Type MSC60 Series - Tyco Electronics Passives](#)

English