

SMA-A0207FTDT180K

✓ ACTIVE

TE Internal #: 9-2176316-1

Surface Mount Resistors, Precision Resistor, 2 Termination, 0207, Taped & Reeled, 1 %, Thin Film, Resistance Class 1kΩ – 1MΩ, 180K Ω, 1 W

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Number of Terminations: **2**

Package Size Code: **0207**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Package Size Code	0207
Element Type	Thin Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	350 V
Passive Component Tolerance	1 %
Resistance Class	1kΩ – 1MΩ
Resistance Value	180K Ω
Power Rating	1 W

Termination Features

Number of Terminations	2
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Surface Mount Resistor Termination Type

Metal Electrode Leadless Face (MELF)

Dimensions

Passive Component Dimensions	5.9 x 2.2 mm
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Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±50 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled
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Product Compliance

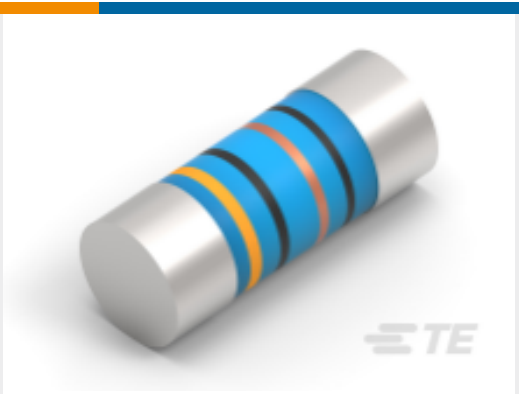
For compliance documentation, visit the product page on TE.com>

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 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

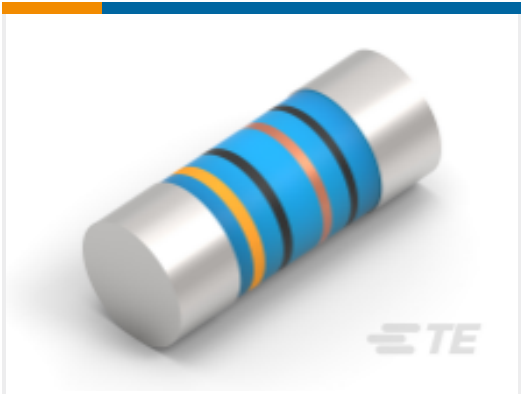
Product Compliance Disclaimer

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>

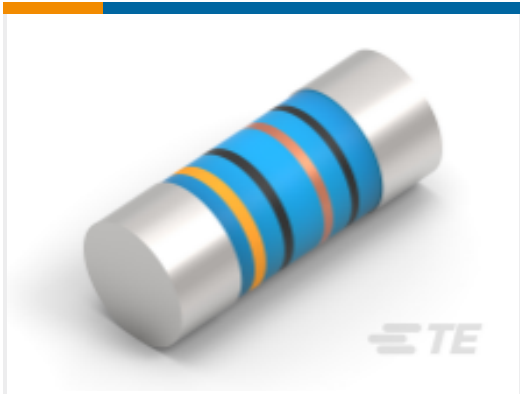
Compatible Parts



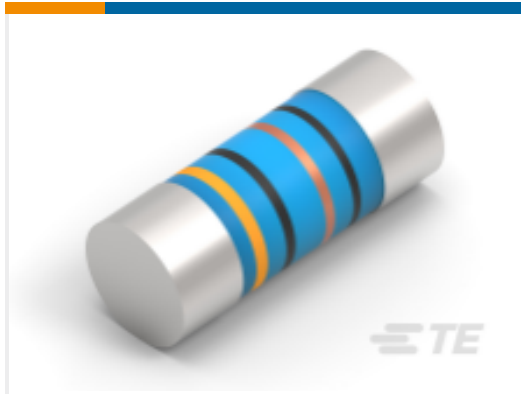
TE Part # 6-2176314-9
MELF SMA-A 10R 1% 50PPM 0102 0.3 W



TE Part # 3-2176315-2
MELF SMA_A 39K 0.1% 15PPM 0204 0.4W



TE Part # 2176316-5
MELF SMA_A 220R 0.1% 15PPM 0207 1W



TE Part # 9-2176315-8
MELF SMA-A 1M0 1% 50PPM 0204 0.4 W



TE Part # 9-2176316-4
MELF SMA-A 330K 1% 50PPM 0207 1W

Customers Also Bought



TE Part #1676436-2
RN 0805 7K32 0.1% 10PPM 1KRL



TE Part #1676310-1
RN 0805 34K8 0.1% 10PPM CUT LENGTH



TE Part #1879441-9
Wirewound Resistor: Mineral, 2.5 Kw



TE Part #1622975-1
CRG0603 1% 5K6



TE Part #1676306-1
RN 0805 332R 0.1% 10PPM CUT LENGTH



TE Part #1676366-1
RN 0805 51R1 0.1% 10PPM CUT LENGTH



TE Part #1622963-1
CRG0603 1% 510R



TE Part #1676161-1
RN 0805 118R 0.1% 10PPM CUT LENGTH



TE Part #2-2170754-9
CAGE ASSY, QSFP28 1X1, GASKET, HS, LP

TE Part #ZPF00000000099228
E100F-0015-1P00

Documents



Product Drawings

MELF SMA-A 180K 1% 50PPM 0207 1W

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-2176316-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-2176316-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-2176316-1_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SMA-A-1017

English