

SMA-A0102FTDL8K2

✓ ACTIVE

TE Internal #: 5-2176314-8
Surface Mount Resistors, Precision Resistor, 2 Termination, 0102,
Taped & Reeled, 1 %, Thin Film, Resistance Class 1kΩ – 1MΩ, 8.2K
Ω, .3 W
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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**
Number of Terminations: **2**
Package Size Code: **0102**
Packaging Method: **Taped & Reeled**
Passive Component Tolerance: **1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Package Size Code	0102
Element Type	Thin Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	200 V
Passive Component Tolerance	1 %
Resistance Class	1kΩ – 1MΩ
Resistance Value	8.2K Ω
Power Rating	.3 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	2.2 x 1.1 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

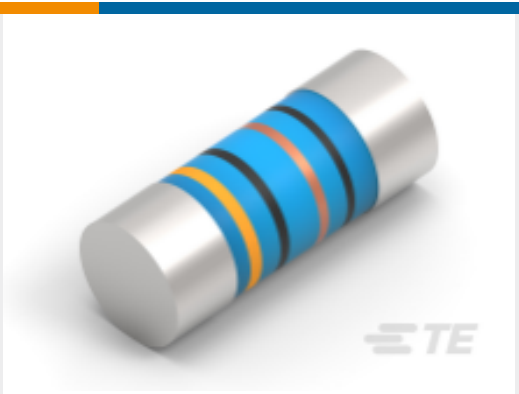
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260°C

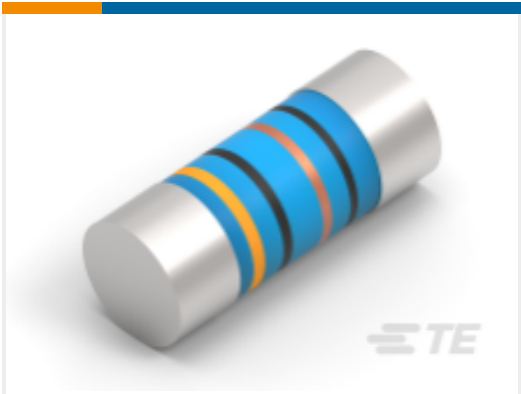
Product Compliance Disclaimer

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>

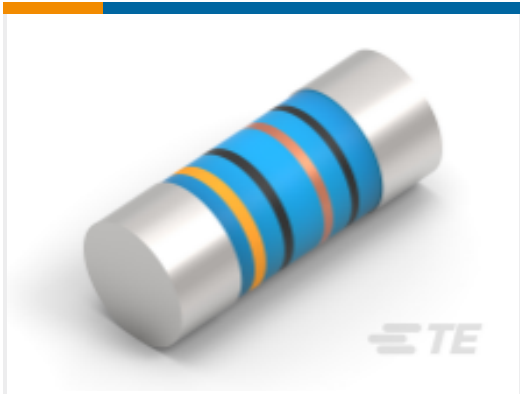
Compatible Parts



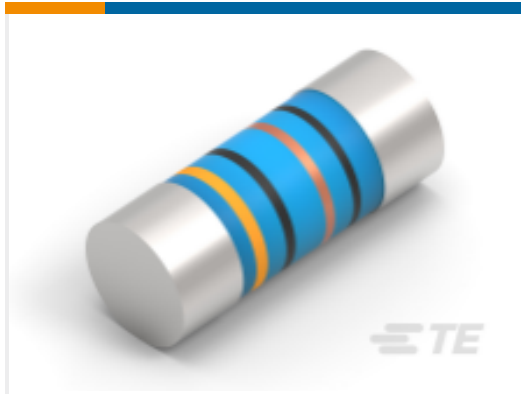
TE Part # 6-2176314-9
MELF SMA-A 10R 1% 50PPM 0102 0.3 W



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

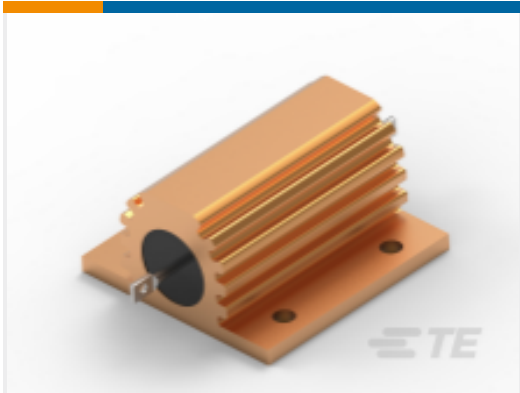
Customers Also Bought



TE Part #1-87499-6
09 MODIV HSG COMP SR .100CL



TE Part #1623184-1
CRG0805 1% 2M2



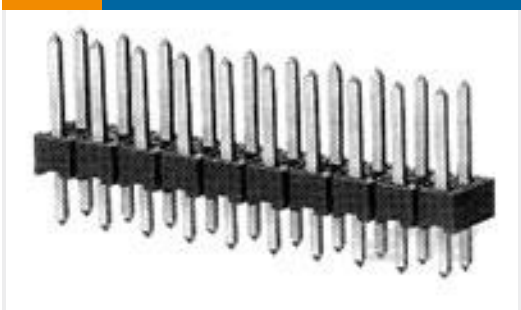
TE Part #2-1676625-1
Power Resistor: Aluminum Housed, HSA



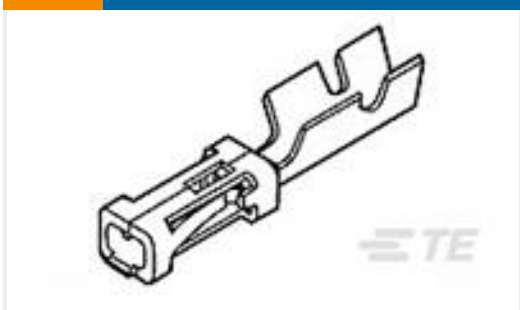
TE Part #1879453-4
Wirewound Resistor: Mineral, 2.5 Kw



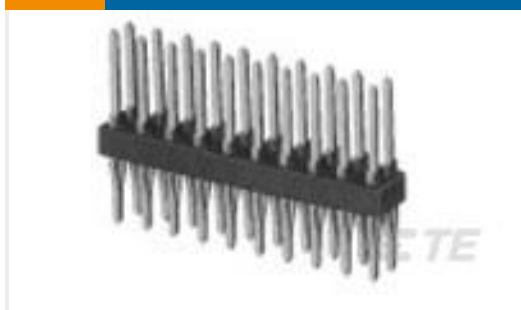
TE Part #F40876-000
B-155-9002



TE Part #1-826632-4
14P AMPMODU II STIFT LEI



TE Part #102548-6
MOD IV RECP LP



TE Part #103542-4
10 MODII HDR DRST UNSHRD A/PIN



TE Part #2176387-1
RQ 1206 133K 0.1% 10PPM 1K RL



TE Part #1-2154430-1
LUMAWISE LED HOLDER, TYPE LS OPTIC

Documents



Product Drawings

MELF SMA_A 8K2 1% 50PPM 0102 0.3W

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2176314-8_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2176314-8_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2176314-8_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