

SMA-A0102FTDL10R

✓ ACTIVE

Neohm | Neohm SMA-A

TE Internal #: 6-2176314-9

10 Ω , Thin Film, Precision Resistor, 1 %, 2 Termination, 0102, Taped & Reeled, .3 W, ± 50 ppm/ $^{\circ}\text{C}$, Metal Electrode Leadless Face (MELF), Neohm SMA-A

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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	Up to 1k Ω
Resistance Value	10 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)
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Dimensions

Passive Component Dimensions	2.2 x 1.1 mm
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Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}\text{C}$
Temperature Coefficient	± 50 ppm/ $^{\circ}\text{C}$

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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 $^{\circ}\text{C}$

Product Compliance Disclaimer

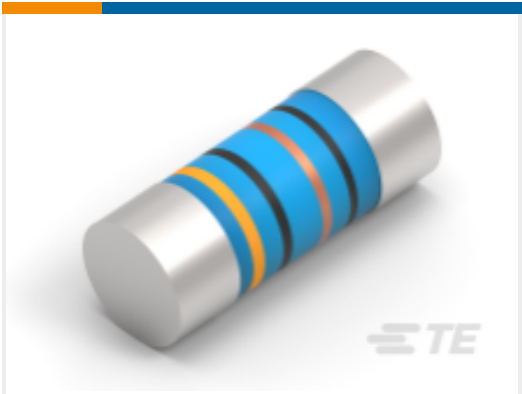
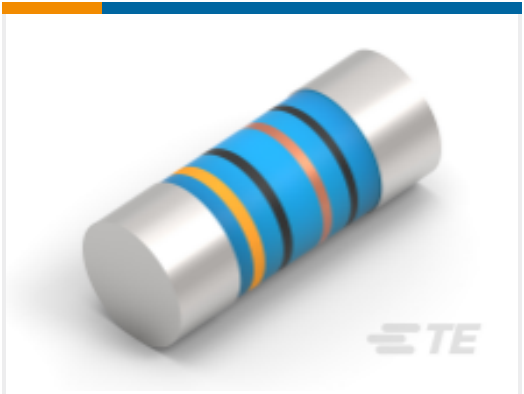
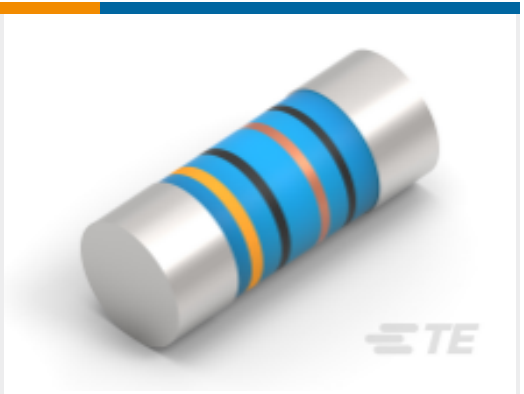
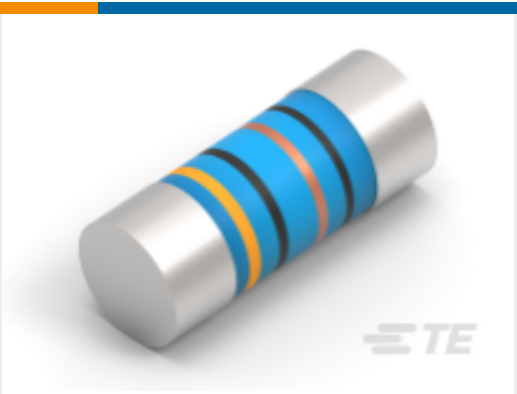
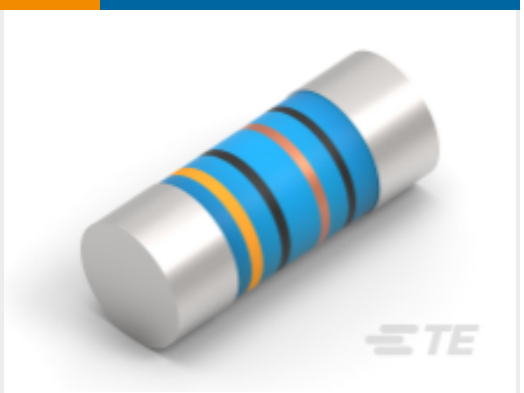
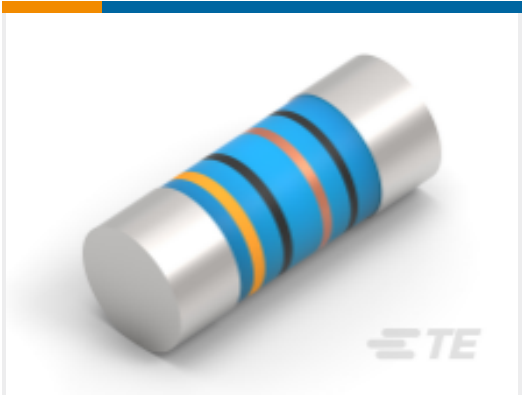
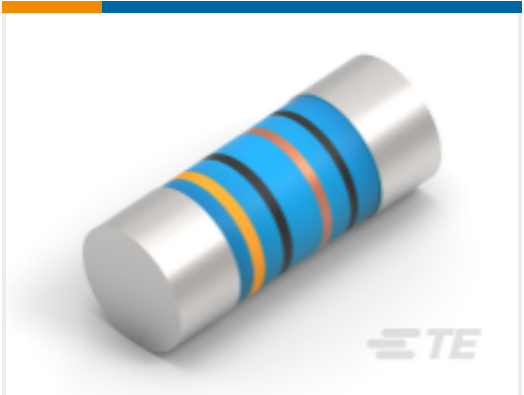
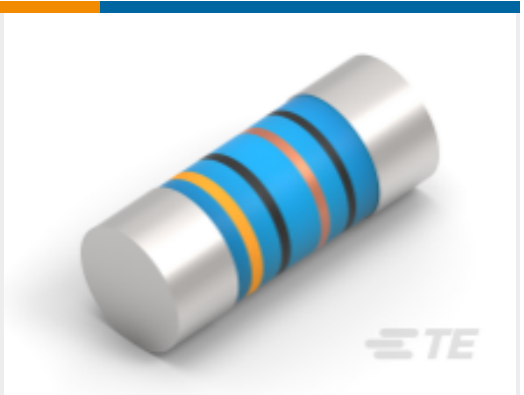
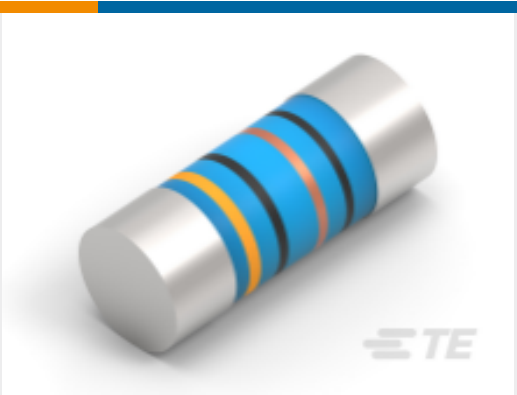
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

SMA-A0102FTDL10R

10 Ω, Thin Film, Precision Resistor, 1 %, 2 Termination, 0102, Taped & Reeled, .3 W, ±50 ppm/°C, Metal Electrode Leadless Face (MELF), Neohm SMA-A



 TE Part # 2176314-1 MELF SMA_A 100R 0.1% 15PPM 0102 0.3W	 TE Part # 2-2176314-5 MELF SMA_A 10K 0.1% 15PPM 0102 0.3W	 TE Part # 2176314-2 MELF SMA_A 120R 0.1% 15PPM 0102 0.3W	 TE Part # 2-2176314-6 MELF SMA_A 12K 0.1% 15PPM 0102 0.3W
 TE Part # 2176314-3 MELF SMA_A 150R 0.1% 15PPM 0102 0.3W	 TE Part # 2176314-4 MELF SMA_A 180R 0.1% 15PPM 0102 0.3W	 TE Part # 2-2176314-8 MELF SMA_A 18K 0.1% 15PPM 0102 0.3W	 TE Part # 1-2176314-3 MELF SMA_A 1K0 0.1% 15PPM 0102 0.3W
 TE Part # 1-2176314-4 MELF SMA_A 1K2 0.1% 15PPM 0102 0.3W	 TE Part # 1-2176314-5 MELF SMA_A 1K5 0.1% 15PPM 0102 0.3W	 TE Part # 1-2176314-6 MELF SMA_A 1K8 0.1% 15PPM 0102 0.3W	 TE Part # 2-2176314-9 MELF SMA_A 22K 0.1% 15PPM 0102 0.3W
 TE Part # 2176314-6 MELF SMA_A 270R 0.1% 15PPM 0102 0.3W	 TE Part # 3-2176314-0 MELF SMA_A 27K 0.1% 15PPM 0102 0.3W	 TE Part # 1-2176314-7 MELF SMA_A 2K2 0.1% 15PPM 0102 0.3W	 TE Part # 1-2176314-8 MELF SMA_A 2K7 0.1% 15PPM 0102 0.3W
 TE Part # 2176314-7 MELF SMA_A 330R 0.1% 15PPM 0102 0.3W	 TE Part # 3-2176314-1 MELF SMA_A 33K 0.1% 15PPM 0102 0.3W	 TE Part # 2176314-8 MELF SMA_A 390R 0.1% 15PPM 0102 0.3W	 TE Part # 3-2176314-2 MELF SMA_A 39K 0.1% 15PPM 0102 0.3W

Also in the Series | Neohm SMA-A



Customers Also Bought

TE Part #1419108-6
RT214730

TE Part #1-1337463-0
BNC Plg Term 50Ohm Silver Pltd

TE Part #1437565-4
FSM102=NEW P/N

TE Part #2176315-1
MELF SMA_A 100R 0.1% 15PPM 0204 0.4W

TE Part #1-2176315-9
MELF SMA_A 3K3 0.1% 15PPM 0204 0.4W

TE Part #173850-1
MULTILOCK, CONNECTOR HOUSING

TE Part #3-338170-2
25P.HDP20 PLUG ASSY

TE Part #6-1393234-7
RP421012

Documents

Product Drawings
MELF SMA-A 10R 1% 50PPM 0102 0.3W
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_6-2176314-9_BA.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_6-2176314-9_BA.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_6-2176314-9_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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English