

SMA-A0204FTDX1M0

✓ ACTIVE

Neohm | Neohm SMA-A

TE Internal #: 9-2176315-8

Surface Mount Precision Resistor, Thin Film, 0204, .4 W, 1.0M ohm, 1 %, ±50 ppm/°C, Metal Electrode Leadless Face (MELF), 2 Terminations, Neohm SMA-A

[View on TE.com >](#)



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0204**

Power Rating: **.4 W**

Resistance Value: **1.0M Ω**

Features

Dimensions

Product Diameter	1.4 mm[.055 in]
Product Length	3.5 mm[.138 in]

Usage Conditions

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

Electrical Characteristics

Operating Voltage	200 V
Power Rating	.4 W
Resistance Value	1.0M Ω
Resistance Class	1MΩ – 1GΩ
Passive Component Tolerance	1 %

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film

Package Size Code	0204
-------------------	------

Configuration Features

Number of Resistors	1
---------------------	---

Termination Features

Surface Mount Resistor Termination Type	Metal Electrode Leadless Face (MELF)
Number of Terminations	2

Packaging Features

Packaging Method	Taped & Reeled
------------------	----------------

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

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

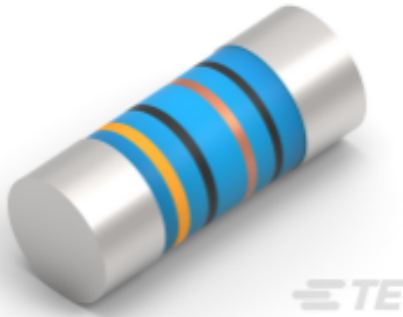
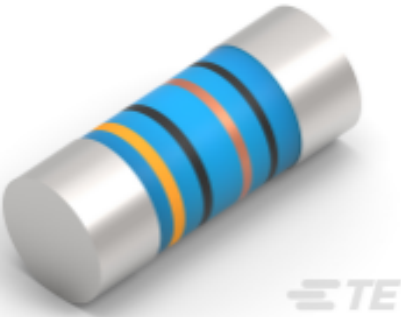
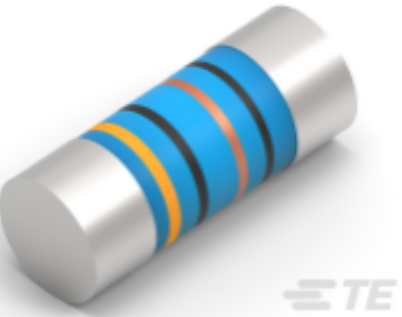
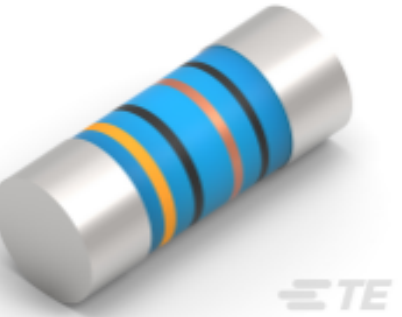
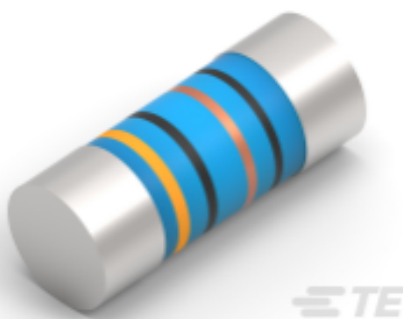
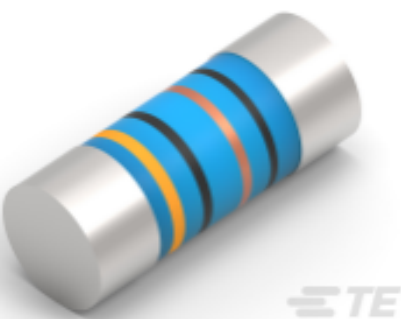
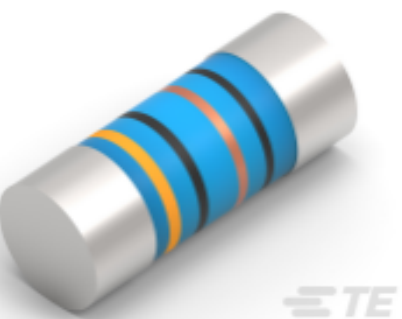
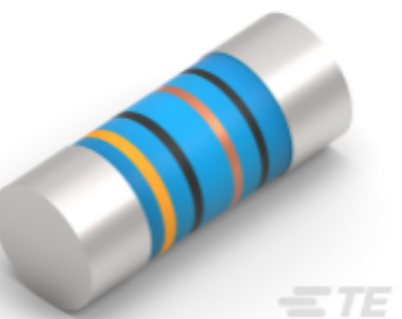
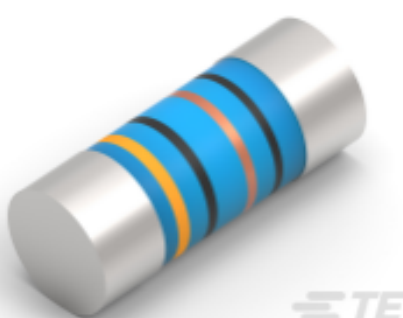
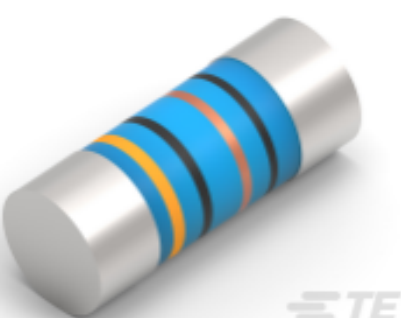
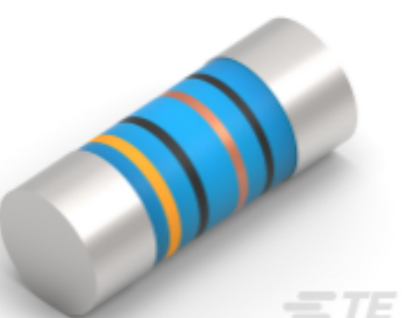
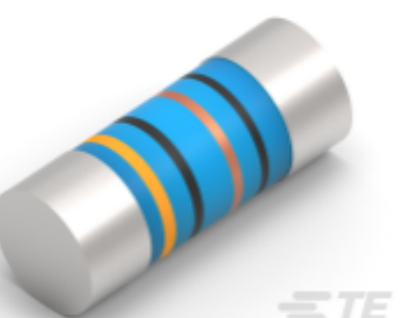
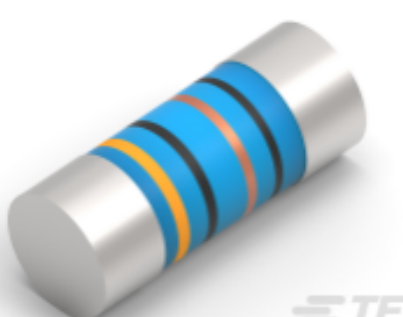
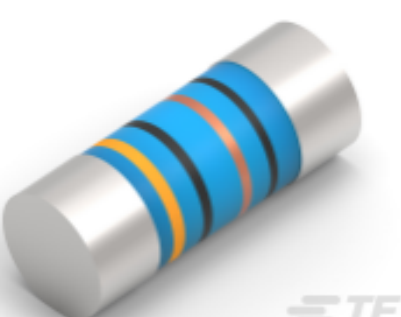
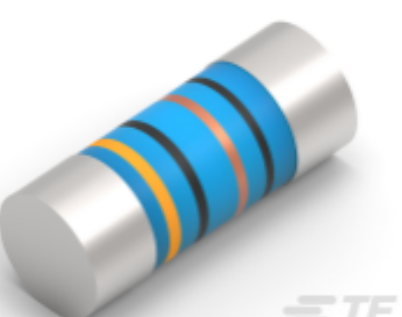
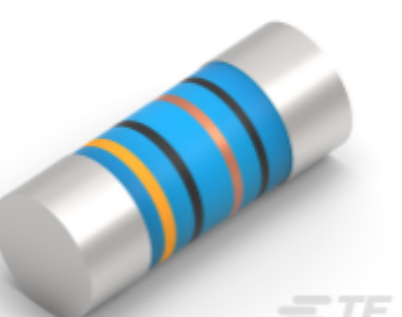
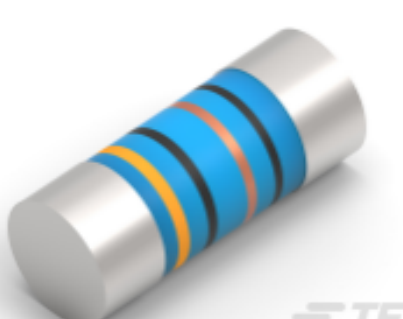
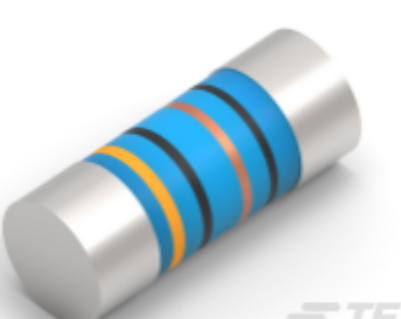
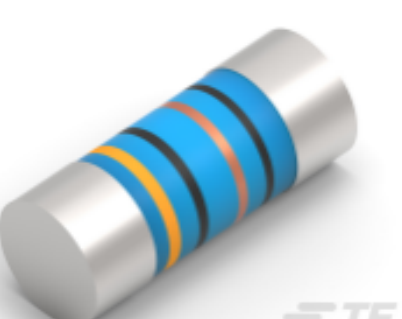
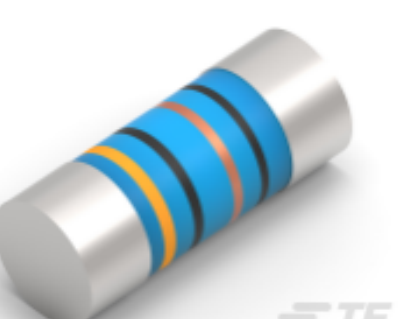
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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°C

Product Compliance Disclaimer

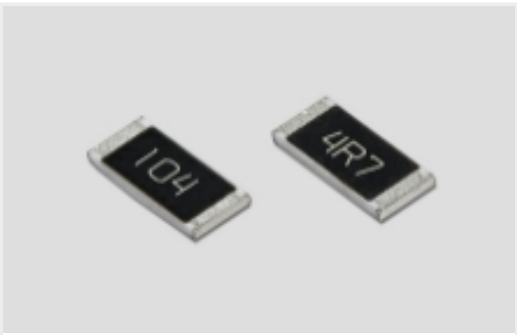
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-2176315-5 MELF SMA_A 10K 0.1% 15PPM 0204 0.4W	 TE Part # 1-2176315-9 MELF SMA_A 3K3 0.1% 15PPM 0204 0.4W	 TE Part # 1-2176315-5 MELF SMA_A 1K5 0.1% 15PPM 0204 0.4W	 TE Part # 2176316-3 MELF SMA_A 150R 0.1% 15PPM 0207 1W
 TE Part # 2176317-1 MELF SMA-A 1M0 1% 50PPM 0207 1W	 TE Part # 2176316-1 MELF SMA_A 100R 0.1% 15PPM 0207 1W	 TE Part # 1-2176314-3 MELF SMA_A 1K0 0.1% 15PPM 0102 0.3W	 TE Part # 5-2176316-4 MELF SMA_A 2K2 1% 50PPM 0207 1W
 TE Part # 5-2176316-8 MELF SMA_A 4K7 1% 50PPM 0207 1W	 TE Part # 5-2176316-6 MELF SMA_A 3K3 1% 50PPM 0207 1W	 TE Part # 4-2176315-3 MELF SMA_A 270R 1% 50PPM 0204 0.4 W	 TE Part # 4-2176316-8 MELF SMA_A 680R 1% 50PPM 0207 1W
 TE Part # 4-2176315-0 MELF SMA_A 150R 1% 50PPM 0204 0.4 W	 TE Part # 5-2176315-2 MELF SMA_A 1K5 1% 50PPM 0204 0.4 W	 TE Part # 1-2176315-7 MELF SMA_A 2K2 0.1% 15PPM 0204 0.4W	 TE Part # 1-2176334-6 MELF SMA-A 4R75 1% 50PPM 0204 0.4 W
 TE Part # 1-2176315-1 MELF SMA_A 680R 0.1% 15PPM 0204 0.4W	 TE Part # 1-2176335-4 MELF SMA-A 140R 1% 50PPM 0102 0.3 W	 TE Part # 1-2176317-3 MELF SMA-A 200R 1% 50PPM 0207 1W	 TE Part # 1-2176315-2 MELF SMA_A 820R 0.1% 15PPM 0204 0.4W

Also in the Series | Neohm SMA-A



Surface Mount Resistors(270)

Customers Also Bought



TE Part #2-6609106-7
PS0SXDH3A=C1170



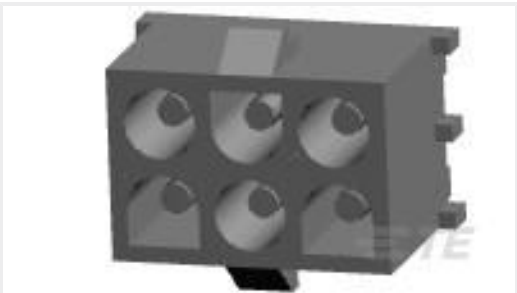
TE Part #1-1337604-0
SMB SMT Skt 50Ohm Gold Pltd



TE Part #1-881545-1
AMP SHUNT ASS'Y



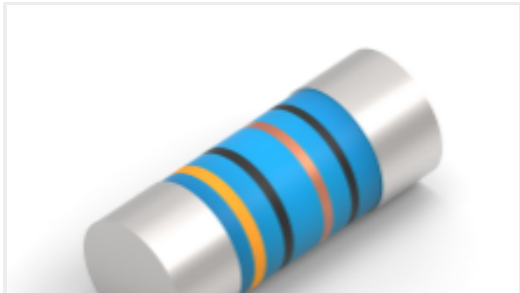
TE Part #1614885-4
CPF 0805 68K 0.1% 25PPM 1K RL



TE Part #1969814-1
06P UMNL PIN HDR ASSY, PIN V0 GW



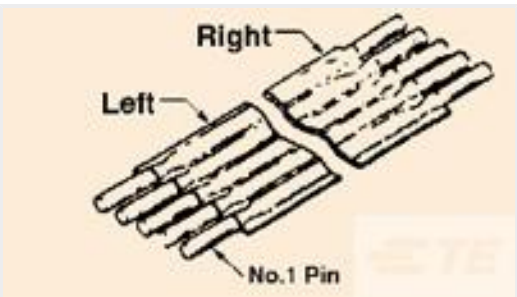
TE Part #5-103735-7
08 MTE HDR SRST LATCH .100CL



TE Part #5-2176315-0
MELF SMA_A 1K0 1% 50PPM 0204 0.4 W



TE Part #215464-4
04P.MICRO-MATCH MOB



TE Part #9-6474612-1
FSN-22A-10

TE Part #2195932-1
FPC, ANT, LTE, SLEEVE

Documents

Product Drawings

MELF SMA-A 1M0 1% 50PPM 0204 0.4W

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-2176315-8_BA.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_9-2176315-8_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-2176315-8_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