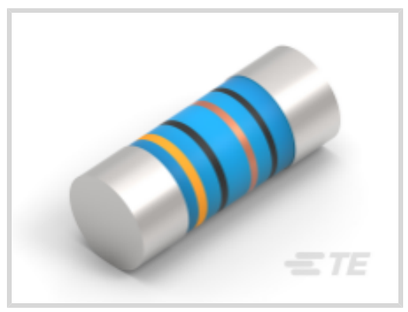
SMA-A0204BTNX220R ✔ ACTIVE

TE Internal #: 2176315-5

Surface Mount Resistors, Precision Resistor, 2 Termination, 0204, Taped & Reeled, .1 %, Thin Film, Resistance Class Up to 1kΩ, 220 Ω, .4 W, ±15 ppm/°C

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors







Resistor Type: **Precision Resistor**

Number of Terminations: **2**

Package Size Code: **0204**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **.1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Package Size Code	0204
Element Type	Thin Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Voltage Rating	200 V
Passive Component Tolerance	.1 %
Resistance Class	Up to 1kΩ
Resistance Value	220 Ω
Power Rating	.4 W

Termination Features

Number of Terminations	2

Surface Mount Resistor Termination Type	Metal Electrode Leadless Face (MELF)

Dimensions

Passive Component Dimensions	3.5 x 1.4 mm

Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±15 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

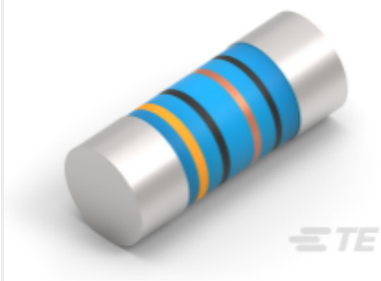
For compliance documentation, visit the product page on TE.com>

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

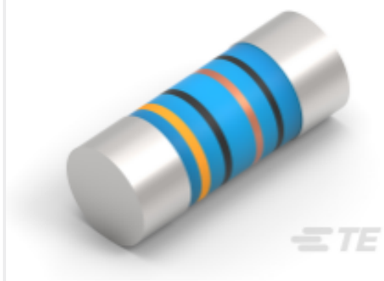
Product Compliance Disclaimer

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

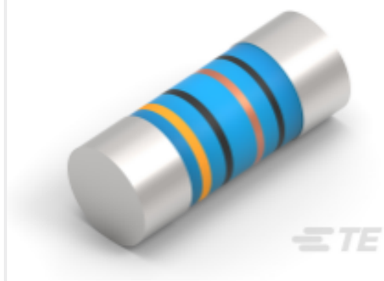
Compatible Parts



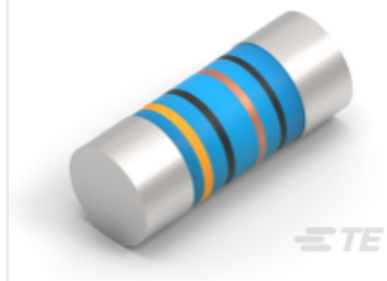
TE Part # 6-2176314-9
MELF SMA-A 10R 1% 50PPM 0102 0.3 W



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



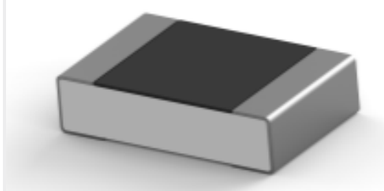
TE Part # 9-2176315-8
MELF SMA-A 1M0 1% 50PPM 0204 0.4 W

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

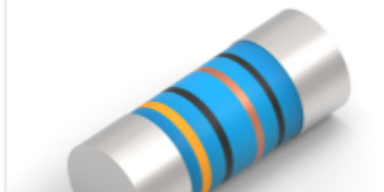
Customers Also Bought



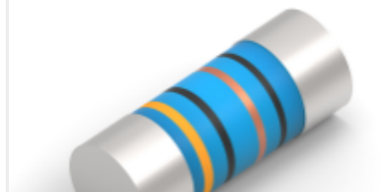
TE Part #2176217-7
CPF A 0805 22R 0.1% 25PPM 1K RL



TE Part #7-2176380-2
RQ 0805 6K34 0.1% 10PPM 5K RL



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



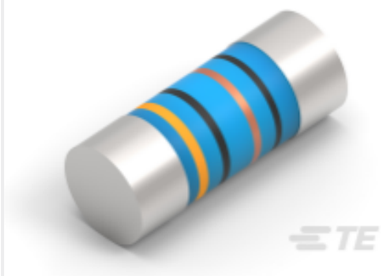
TE Part #2-2176315-5
MELF SMA_A 10K 0.1% 15PPM 0204 0.4W

TE Part #2176315-2
MELF SMA_A 120R 0.1% 15PPM 0204 0.4W

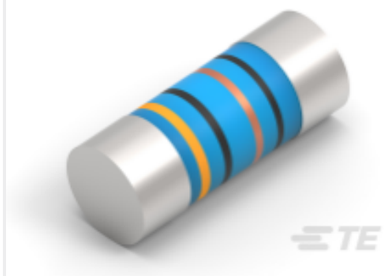
TE Part #1-2176315-5
MELF SMA_A 1K5 0.1% 15PPM 0204 0.4W

TE Part #2176315-8
MELF SMA_A 390R 0.1% 15PPM 0204 0.4W

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



TE Part #3-2176315-3
MELF SMA_A 47K 0.1% 15PPM 0204 0.4W



TE Part #1-2176315-1
MELF SMA_A 680R 0.1% 15PPM 0204 0.4W

Documents

Product Drawings

MELF SMA_A 220R 0.1% 15PPM 0204 0.4W

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176315-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176315-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176315-5_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

SMA-A-1017

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English