# SMA-A0207BTNT180R

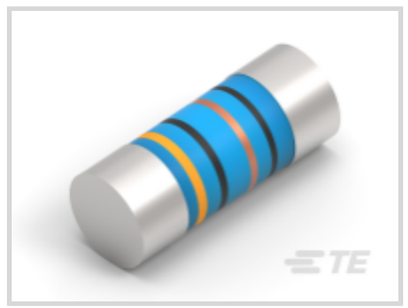
NEOHM | NEOHM SMA-A

TE Internal #: 2176316-4

TE Internal Description: MELF SMA_A 180R 0.1% 15PPM 0207 1W

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors







Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0207**

Power Rating: **1 W**

Resistance Value: **180 Ω**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | Precision Resistor |
| Element Type | Thin Film |
| Package Size Code | 0207 |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Power Rating | 1 W |
| Resistance Value | 180 Ω |
| Resistance Class | Up to 1kΩ |
| Passive Component Tolerance | .1 % |

### Termination Features

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

### Dimensions

| | |
|---|---|
| Product Diameter | 2.2 mm[.087 in] |

| | |
|---|---|
| Product Length | 5.9 mm[.232 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 155 °C[-67 – 311 °F] |
| Temperature Coefficient | ±15 ppm/°C |

### Packaging Features

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

## Product Compliance

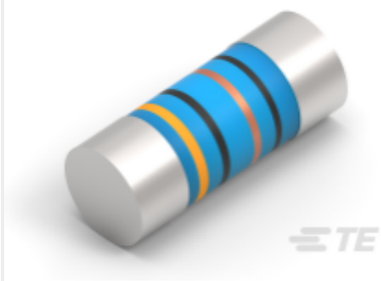
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°C |

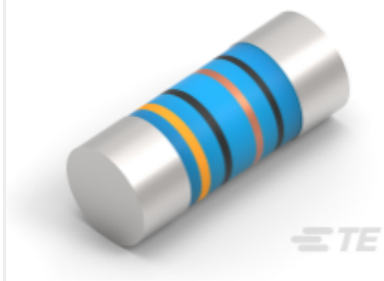
Product Compliance Disclaimer

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

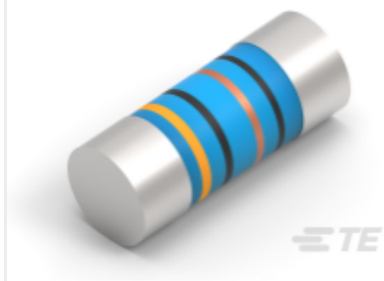
## Compatible Parts



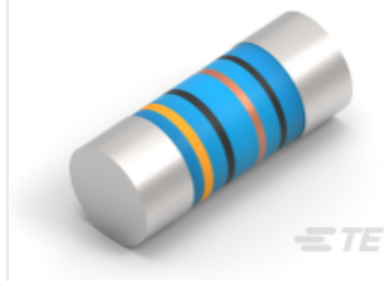
TE Part # 3-2176315-2
MELF SMA_A 39K 0.1% 15PPM 0204 0.4W



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



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

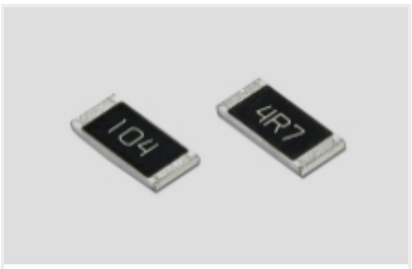


TE Part # 6-2176314-9
MELF SMA-A 10R 1% 50PPM 0102 0.3 W



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

## Also in the Series | NEOHM SMA-A




Surface Mount Resistors(99)

## Customers Also Bought



TE Part #148412-5
EURO TYPE M PIN ASSY 60+4



TE Part #1-406525-1
IMJ,NO SHLD,8P,TRAY, SN



TE Part #2-644486-3
03P MTA100 SHRDED HDR ASSY SN



TE Part #2-644803-4
04P MTA100 SHRD HDR ASSY RA FL




TE Part #1623181-1
CRG0805 1% 2K7



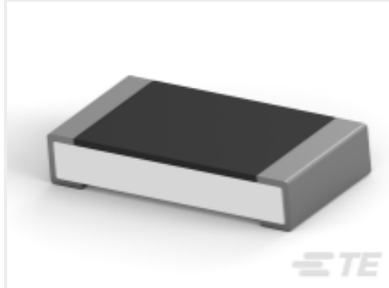

TE Part #4-2176326-4
CRGP 0603 39K 1%



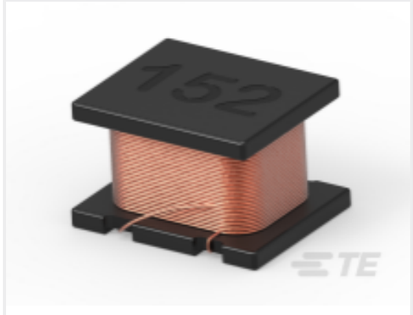

TE Part #2176337-7
CRGCQ 0402 33R 1%




TE Part #2-2176337-9
CRGCQ 0402 2K2 1%



TE Part #9-2176388-7
RQ 1206 100R 0.1% 10PPM 5K RL




TE Part #3-2176636-0
3627 322520 270UH 10%

## Documents

### Product Drawings

MELF SMA_A 180R 0.1% 15PPM 0207 1W

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176316-4_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176316-4_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176316-4_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