# SMA-A0204BTNX100K

NEOHM | NEOHM SMA-A

TE Internal #: 3-2176315-7

TE Internal Description: MELF SMA_A 100K 0.1% 15PPM 0204 0.4W

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: **100K Ω**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | Precision Resistor |
| Element Type | Thin Film |
| Package Size Code | 0204 |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 200 V |
| Power Rating | .4 W |
| Resistance Value | 100K Ω |
| Resistance Class | 1kΩ – 1MΩ |
| Passive Component Tolerance | .1 % |

### Termination Features

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

### Dimensions

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

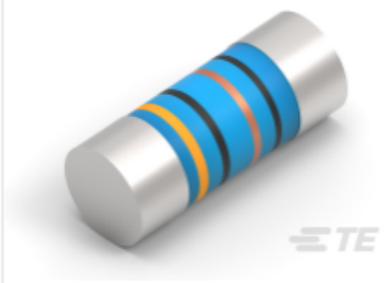
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 |

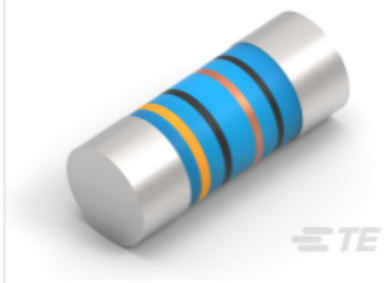
Product Compliance Disclaimer

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

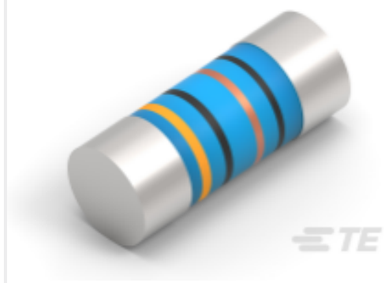
# Compatible Parts



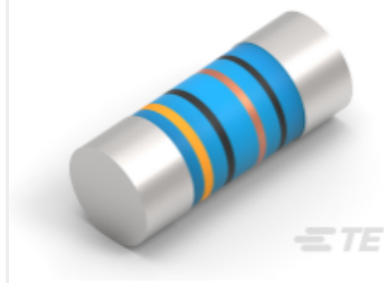
TE Part # 9-2176316-4
MELF SMA-A 330K 1% 50PPM 0207 1W



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 0.4W

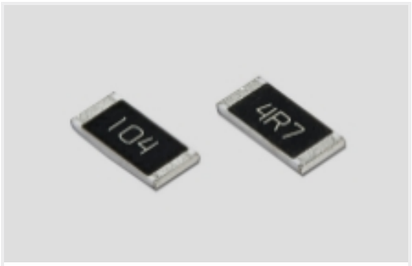


TE Part # 2176316-5
MELF SMA_A 220R 0.1% 15PPM 0207 1W



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

## Also in the Series | NEOHM SMA-A




Surface Mount Resistors(99)

## Customers Also Bought



TE Part #CAT-SIGH262
Signal Header



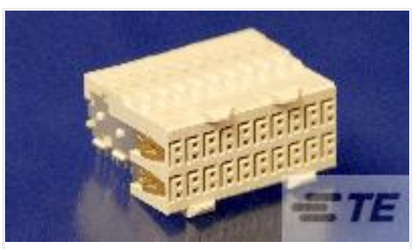
TE Part #1241150-3
3P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Part #5-1393302-1
V23134A0053C643-EV-CBOX




TE Part #1-1879514-5
CRGH1206 1% 150R 0.5W



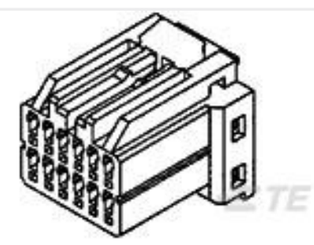
TE Part #6469028-1
HM-ZD 2PR RECP 40P



TE Part #6469076-1
HM-ZD 2PR HDR ASSY 1.8MM



TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



TE Part #175965-2
040 MLC II PLUG HSG ASSY 12P

## Documents

### Product Drawings

MELF SMA_A 100K 0.1% 15PPM 0204 0.4W

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2176315-7_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2176315-7_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176315-7_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