

SMA-A0102BTNL10K

✓ ACTIVE

Neohm | Neohm SMA-A

TE Internal #: 2-2176314-5

Precision Resistor, Thin Film, 0102, .3 W, 10K ohm, .1 %, ±15 ppm/°C, Metal Electrode Leadless Face (MELF), 2 Termination, Neohm SMA-A

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**  
Element Type: **Thin Film**  
Package Size Code: **0102**  
Power Rating: **.3 W**  
Resistance Value: **10K  $\Omega$**

Features

Product Type Features

|                   |                    |
|-------------------|--------------------|
| Resistor Type     | Precision Resistor |
| Element Type      | Thin Film          |
| Package Size Code | 0102               |

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 200 V                     |
| Power Rating                | .3 W                      |
| Resistance Value            | 10K $\Omega$              |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| Passive Component Tolerance | .1 %                      |



Dimensions

|                  |                 |
|------------------|-----------------|
| Product Diameter | 1.1 mm[.043 in] |
| Product Length   | 2.2 mm[.087 in] |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

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Leadless Face (MELF), 2 Termination, Neohm SMA-A



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

Also in the Series | Neohm SMA-A

Surface Mount Resistors(270)

Customers Also Bought

TE Part #1625861

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Documents

Product Drawings

MELF SMA\_A 10K 0.1% 15PPM 0102 0.3W

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2176314-5\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176314-5\_BA.3d\_igs.zip

English

Customer View Model