

SMA-A0207FTDT150R ✓ ACTIVE

Neohm | Neohm SMA-A

TE Internal #: 4-2176316-0

150 Ω , Thin Film, Precision Resistor, 1 %, 2 Termination, 0207,
Taped & Reeled, 1 W, ± 50 ppm/ $^{\circ}\text{C}$, Metal Electrode Leadless Face
(MELF), Neohm SMA-A

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Number of Terminations: **2**

Package Size Code: **0207**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

| | |
|-----------------------------|-------------------|
| Passive Component Tolerance | 1 % |
| Resistance Class | Up to 1k Ω |
| Resistance Value | 150 Ω |
| Power Rating | 1 W |

Termination Features

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

Dimensions

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|------------------------------|--------------|
| Passive Component Dimensions | 5.9 x 2.2 mm |
|------------------------------|--------------|

Usage Conditions

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|-----------------------------|----------------------------------|
| Operating Temperature Range | -55 – 155 $^{\circ}\text{C}$ |
| Temperature Coefficient | ± 50 ppm/ $^{\circ}\text{C}$ |

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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 $^{\circ}\text{C}$ |

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

Also in the Series | Neohm SMA-A




Surface Mount Resistors(384)

Customers Also Bought



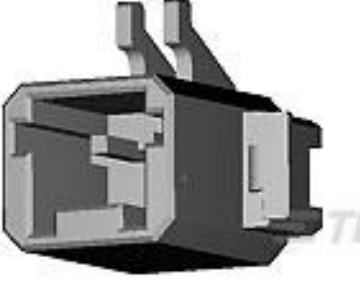
TE Part #3-1879233-3
SMW5 2R2 5%



TE Part #2213194-1
LUMAWISE LED HOLDER OPTIC CLIP Z50 TYPE1



TE Part #2-1445050-2
MICRO MNL HDR ASSY S/ROW LF



TE Part #2106091-1
2 pos Inverted Thru Board SMT Header



TE Part #3-2176316-5
MELF SMA_A 68K 0.1% 15PPM 0207 1W



TE Part #170014-5
FF 110 TAB 20-16AWG BR



TE Part #2-2176251-5
CRGS2010 5% 100R



Documents

Product Drawings

[MELF SMA_A 150R 1% 50PPM 0207 1W](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-2176316-0_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2176316-0_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2176316-0_BA.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SMA-A-1017](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

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