



CGS | CGS SMV

TE Internal #: 2176323-3

150K ohm, Metal Film, High Value/High Voltage Resistor, 5 %, 2 W, ±200 ppm/°C, Solder, 2 Terminations, 5 mm [.197 in] Height, CGS SMV

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: High Value/High Voltage Resistor

Element Type: Metal Film

Power Rating: 2 W

Resistance Value: 150K Ω

Resistance Class: 1kΩ – 1MΩ

Features

Product Type Features

| | |
|---------------|----------------------------------|
| Resistor Type | High Value/High Voltage Resistor |
| Element Type | Metal Film |

Configuration Features

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

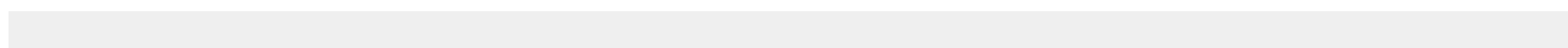
Electrical Characteristics

| | |
|-----------------------------|-----------|
| Power Rating | 2 W |
| Resistance Value | 150K Ω |
| Resistance Class | 1kΩ – 1MΩ |
| Passive Component Tolerance | 5 % |

Termination Features

| | |
|---|--------|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations | 2 |

Dimensions



| | |
|----------------|-------------------|
| Product Height | 5 mm [.197 in] |
| Product Length | 10.5 mm [.413 in] |
| Product Width | 5.5 mm [.217 in] |

Usage Conditions

| | |
|-------------------------|-----------------------------|
| Temperature Coefficient | ± 200 ppm/ $^{\circ}$ C |
|-------------------------|-----------------------------|

Industry Standards

| | |
|----------------------------|----------|
| ESD HBM Classification | 2 |
| UL Flammability Rating | UL 94V-0 |
| Moisture Sensitivity Level | 1 |

Packaging Features

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|------------------|----------------|
| 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) Candidate List Declared Against: JUNE 2023 (235) 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 $^{\circ}$ 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 # 2176322-8
SMV 1W 390K 5%



TE Part # 2176324-1
SMV 3W 100K 5%



TE Part # 6-2176619-5
SMQF2W 150K 5%



TE Part # 2176322-5
SMV 1W 220K 5%




TE Part # 2-2176323-5
SMV 2W 10M 5%



TE Part # 2176323-9
SMV 2W 470K 5%

Also in the Series | CGS SMV



Surface Mount Resistors(35)

Customers Also Bought



TE Part #413990-1
STR JACK, SMB, PCB



TE Part #1-1614351-5
RN 0603 1K1 0.1% 10PPM CUT LENGTH



TE Part #8-1614881-8
CPF 0603 1K8 0.1% 25PPM 5K RL



TE Part #6-1676481-2
CPF 0603 2K2 0.1% 25PPM 1K RL



Documents

Product Drawings

[SMV 2W 150K 5%](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2176323-3_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176323-3_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176323-3_BA.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Metal glaze High Voltage SMD Resistor Type SMV series](#)

English