

SMV1W1M8JT

✓ ACTIVE

CGS | CGS SMV

TE Internal #: 1-2176322-6
1.8M ohm, Surface Mount High Value/High Voltage Resistor, Metal Film, 1 W, 5 %, ±200 ppm/°C, Solder, 2 Terminations, 3.55 mm [.14 in] Height, CGS SMV

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Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 1.8M Ω
Resistor Type: High Value/High Voltage Resistor
Element Type: Metal Film
Power Rating: 1 W
Resistance Class: 1M Ω – 1G Ω

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Resistance Value	1.8M Ω
Power Rating	1 W
Resistance Class	1M Ω – 1G Ω
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

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Product Height	3.55 mm[.14 in]
Product Length	6.7 mm[.264 in]
Product Width	4 mm[.157 in]

Usage Conditions

Temperature Coefficient	±200 ppm/°C
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Industry Standards

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

Packaging Features

Packaging Method	Taped & Reeled
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 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>

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Compatible Parts

 TE Part # 9-2176618-5 SMQF1W 1M8 5%	 TE Part # 2176322-5 SMV 1W 220K 5%	 TE Part # 2176322-8 SMV 1W 390K 5%	 TE Part # 2176324-1 SMV 3W 100K 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 #5-103669-1 02 MTE HDR SRST LATCH W/HLDWN	 TE Part #1217756-1 187 FASTON,TAB,TNBR	 TE Part #5555164-1 MJ,LPF,R/A,8P,TRAY	 TE Part #CAT-M5833-F3492A Female-on-Board Connector, Top Entry
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TE Part #1-644752-0
10P MTA156 HDR ASSY SQ STR F/L



TE Part #1-640445-5
15P MTA156 HDR ASSY FL/STR SNL



TE Part #1645544-9
UPM R/A GUIDE PIN M3.0

Documents

Product Drawings

SMV 1W 1M8 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176322-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176322-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176322-6_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