



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **High Value/High Voltage Resistor**

Element Type: **Metal Film**

Power Rating: **1 W**

Resistance Value: **220K Ω**

Resistance Class: **1k Ω – 1M 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

Power Rating	1 W
Resistance Value	220K Ω
Resistance Class	1k Ω – 1M 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

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

Packaging Features

Packaging Method	Taped & Reeled
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Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

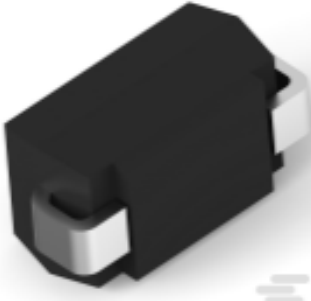
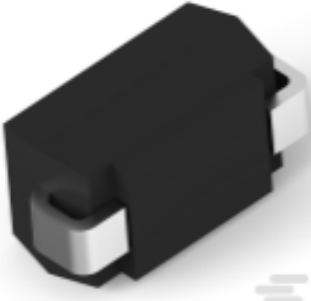
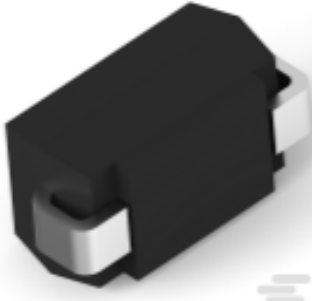
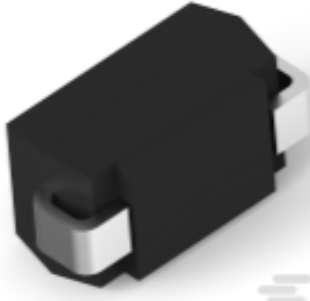
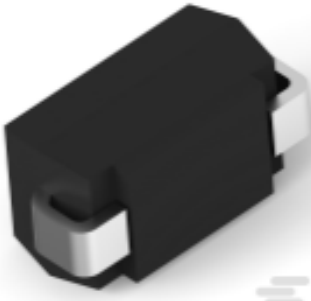
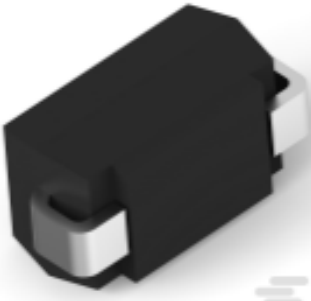
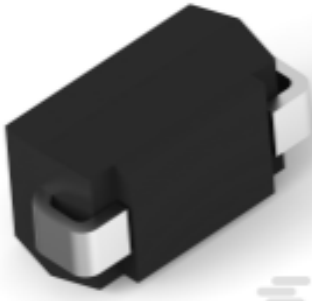
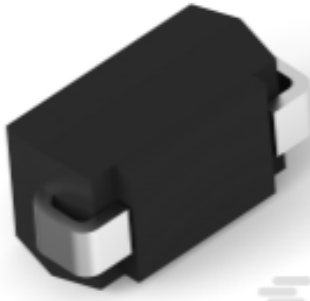
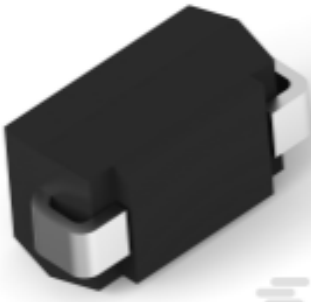
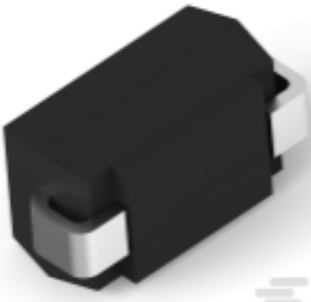
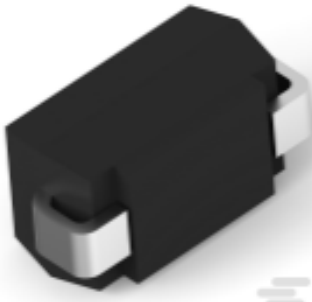
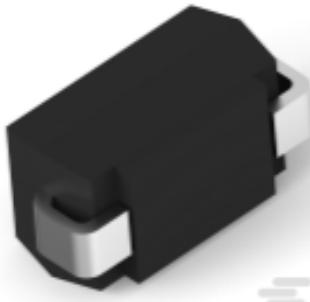
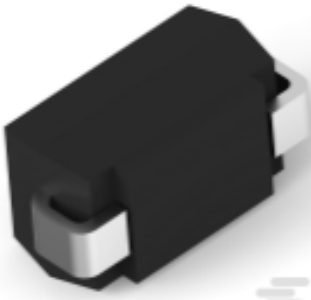
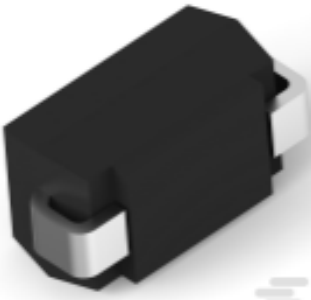
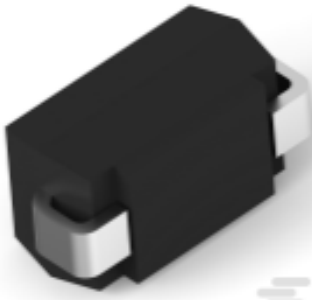
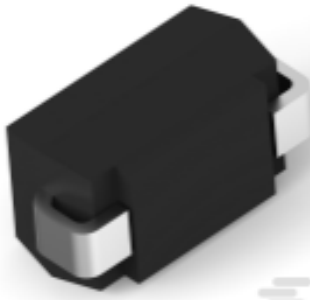
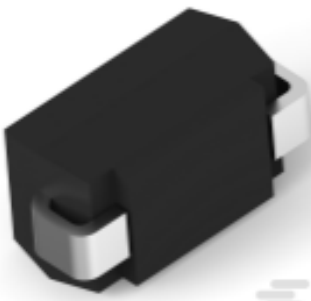
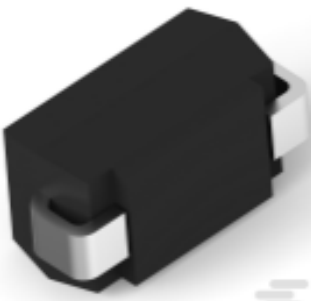
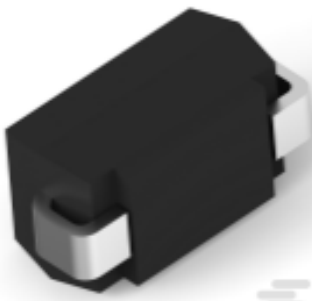
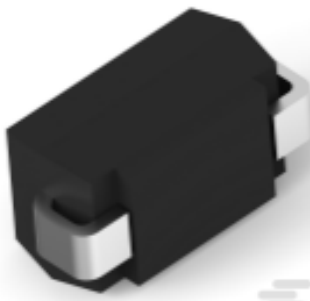
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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>



Compatible Parts

 TE Part # 2176322-1 SMV 1W 100K 5%	 TE Part # 2-2176322-5 SMV 1W 10M 5%	 TE Part # 2176322-2 SMV 1W 120K 5%	 TE Part # 2176322-3 SMV 1W 150K 5%
 TE Part # 2176322-4 SMV 1W 180K 5%	 TE Part # 1-2176322-3 SMV 1W 1M0 5%	 TE Part # 1-2176322-4 SMV 1W 1M2 5%	 TE Part # 1-2176322-5 SMV 1W 1M5 5%
 TE Part # 1-2176322-6 SMV 1W 1M8 5%	 TE Part # 2176322-6 SMV 1W 270K 5%	 TE Part # 1-2176322-7 SMV 1W 2M2 5%	 TE Part # 1-2176322-8 SMV 1W 2M7 5%
 TE Part # 2176322-7 SMV 1W 330K 5%	 TE Part # 2176322-8 SMV 1W 390K 5%	 TE Part # 1-2176322-9 SMV 1W 3M3 5%	 TE Part # 2-2176322-0 SMV 1W 3M9 5%
 TE Part # 2176322-9 SMV 1W 470K 5%	 TE Part # 2-2176322-1 SMV 1W 4M7 5%	 TE Part # 1-2176322-0 SMV 1W 560K 5%	 TE Part # 2-2176322-2 SMV 1W 5M6 5%

Also in the Series | CGS SMV

SMV1W220KJT

High Value/High Voltage Resistor, Metal Film, 1 W, 220K ohm, 5 %, ±200 ppm/°C, Solder, 2 Termination, Height 3.55 mm [.14 in], CGS SMV



Surface Mount Resistors(75)

Customers Also Bought

TE Part #5787169-9
100 50SR R/A RCP ASSY,RDSN L/F

TE Part #2-1879011-5
SMD Power Resistor: 7 Watt, 200-2M Ohm

TE Part #536019-5
096 EURO TYP R PIN AP MFBL ASY

TE Part #3-1676481-4
CPF 0603 130R 0.1% 25PPM 1K RL

TE Part #2176412-4
5W XSM M/OX 5% 6R8

TE Part #2176322-3
SMV 1W 150K 5%

TE Part #1410187-3
MULTIGIG RT T2 7RW DC DF CT

TE Part #2857523006
44A0111-26-2

TE Part #2857563006
44A0111-26-6

Documents

Product Drawings

SMV 1W 220K 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176322-5_BA.2d_dxf.zip

SMV1W220KJT

High Value/High Voltage Resistor, Metal Film, 1 W, 220K ohm, 5 %, ±200 ppm/°C,
Solder, 2 Termination, Height 3.55 mm [.14 in], CGS SMV



English

Customer View Model

[ENG_CVM_CVM_2176322-5_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176322-5_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