SMV1W820KJT ✔ ACTIVE

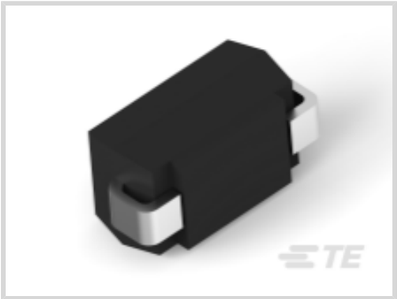
CGS | CGS SMV

TE Internal #: 1-2176322-2

820K ohm, Metal Film, High Value/High Voltage Resistor, 5 %, 1 W, ±200 ppm/°C, Solder, 2 Terminations, 3.55 mm [.14 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: **1 W**

Resistance Value: **820K 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	1 W
Resistance Value	820K Ω
Resistance Class	1kΩ – 1MΩ
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

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

Industry Standards

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

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

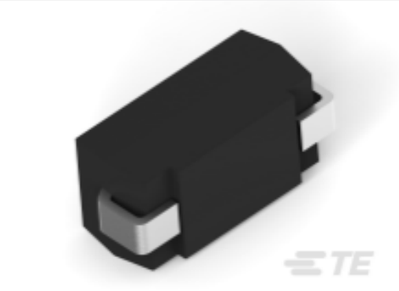
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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 2025 (250) 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°C

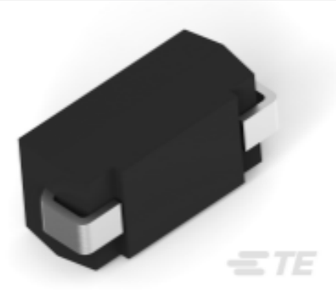
Product Compliance Disclaimer

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

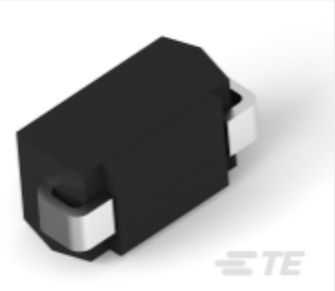
Compatible Parts



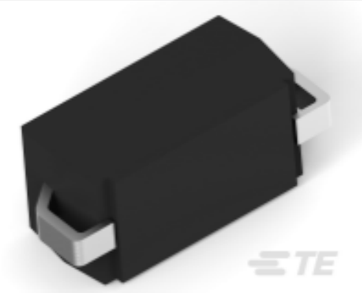
TE Part # 2-2176323-5
SMV 2W 10M 5%



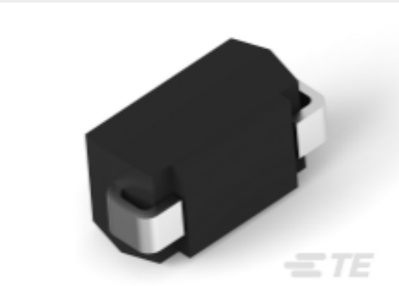
TE Part # 2176323-9
SMV 2W 470K 5%



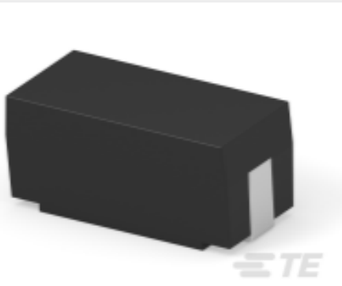
TE Part # 2176322-8
SMV 1W 390K 5%



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

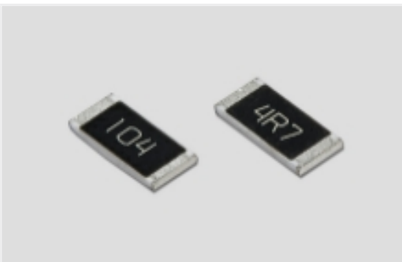


TE Part # 2176322-5
SMV 1W 220K 5%



TE Part # 8-2176618-7
SMQF1W 820K 5%

Also in the Series | CGS SMV



Surface Mount Resistors(35)

Customers Also Bought

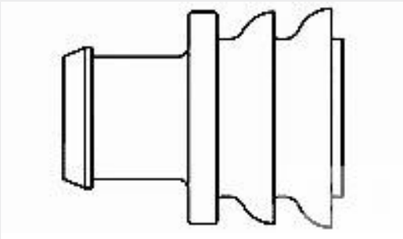
TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts

TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL

TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

SMV 1W 820K 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176322-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176322-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176322-2_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