



CGS | CGS SMV

TE Internal #: 2176324-1

100K Ω , Metal Film, High Value/High Voltage Resistor, 5 %, 2 Termination, Taped & Reeled, 3 W, ± 200 ppm/ $^{\circ}\text{C}$, Solder, Height . 268 in [6.8 mm], CGS SMV

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors



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

Number of Terminations: 2

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

Element Type: **Metal Film**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Passive Component Tolerance	5 %
Resistance Class	1k Ω – 1M Ω
Resistance Value	100K Ω
Power Rating	3 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Dimensions	
------------	--

Product Height	6.8 mm[.268 in]
Product Length	13.5 mm[.531 in]
Product Width	7.3 mm[.287 in]

Usage Conditions

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

Packaging Features

Packaging Method	Taped & Reeled
------------------	----------------

Product Compliance

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

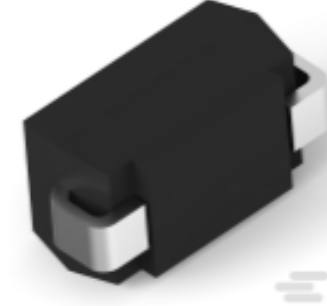
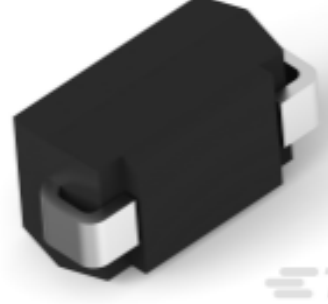
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does 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 $^{\circ}$ 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

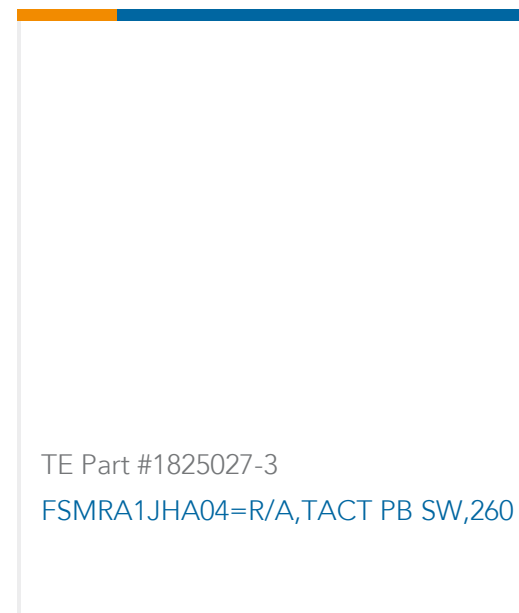


 <p>TE Part # 2176322-1 SMV 1W 100K 5%</p>	 <p>TE Part # 2-2176322-5 SMV 1W 10M 5%</p>	 <p>TE Part # 2176322-2 SMV 1W 120K 5%</p>	 <p>TE Part # 2176322-3 SMV 1W 150K 5%</p>
 <p>TE Part # 2176322-4 SMV 1W 180K 5%</p>	 <p>TE Part # 1-2176322-3 SMV 1W 1M0 5%</p>	 <p>TE Part # 1-2176322-4 SMV 1W 1M2 5%</p>	 <p>TE Part # 1-2176322-5 SMV 1W 1M5 5%</p>
 <p>TE Part # 1-2176322-6 SMV 1W 1M8 5%</p>	 <p>TE Part # 2176322-5 SMV 1W 220K 5%</p>	 <p>TE Part # 2176322-6 SMV 1W 270K 5%</p>	 <p>TE Part # 1-2176322-7 SMV 1W 2M2 5%</p>
 <p>TE Part # 1-2176322-8 SMV 1W 2M7 5%</p>	 <p>TE Part # 2176322-7 SMV 1W 330K 5%</p>	 <p>TE Part # 2176322-8 SMV 1W 390K 5%</p>	 <p>TE Part # 1-2176322-9 SMV 1W 3M3 5%</p>
 <p>TE Part # 2-2176322-0 SMV 1W 3M9 5%</p>	 <p>TE Part # 2176322-9 SMV 1W 470K 5%</p>	 <p>TE Part # 2-2176322-1 SMV 1W 4M7 5%</p>	 <p>TE Part # 1-2176322-0 SMV 1W 560K 5%</p>

Also in the Series | [CGS SMV](#)



Customers Also Bought



Documents

Product Drawings

SMV 3W 100K 5%

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2176324-1_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176324-1_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176324-1_BA.3d_stp.zip](#)

English

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

SMV3W100KJT

100K Ω , Metal Film, High Value/High Voltage Resistor, 5 %, 2 Termination, Taped & Reeled, 3 W, ± 200 ppm/ $^{\circ}\text{C}$, Solder, Height .268 in [6.8 mm], CGS SMV



[Datasheets & Catalog Pages](#)

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

English