



CGS | CGS SM

TE Internal #: 1879233-6

.16 ohm, Surface Mount Power Resistor, Wire Wound, 5 W, 5 %, ±200 ppm/°C, Solder, 2 Terminations, 6.8 mm [.268 in] Height, CGS SM

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 7 Watt, 0.10-500 Ohm



Resistance Value: .16 Ω

Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **5 W**

Resistance Class: **Up to 1kΩ**

[All SMD Power Resistor: 7 Watt, 0.10-500 Ohm \(229\)](#)

## Features

### Industry Standards

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

### Electrical Characteristics

Operating Voltage	500 V
Resistance Value	.16 Ω
Power Rating	5 W
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

### Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

### Configuration Features

Number of Resistors	1
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### Termination Features

Surface Mount Resistor Termination Type	Solder
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Number of Terminations	2
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### 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	$\pm 200$ ppm/ $^{\circ}$ C
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### Packaging Features

Packaging Method	Taped & Reeled
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### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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	Wave solder capable to 265 $^{\circ}$ 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 # CAT-C339-SM1  
SMD Power Resistor: 7 Watt, 200-2M Ohm




TE Part # 1879233-9  
SMW5 R22 5%

## Also in the Series | CGS SM



Expanded Beam Fiber Optics(6)




LC Connectors(1)



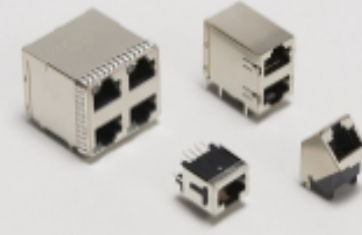
RJ14 Connectors(1)




RJ22 Connectors(1)



RJ25 Connectors(1)



RJ45 Connectors(3)



SC Connectors(2)



Surface Mount Resistors(549)

## Customers Also Bought



TE Part #1879021-7  
SMW3 R18 5%

## Documents

[Product Drawings](#)

[SMW5 R16 5%](#)

English



### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1879233-6\\_BA.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1879233-6\\_BA.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1879233-6\\_BA.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### 1309350\_PASSIVE\_COMPONENT

English

#### 8-1773459-4\_POWER\_FILTERING\_AND\_RESISTIVE\_SOLUTIONS\_FOR\_ELEVATORS\_AND\_ESCALATORS

English

#### SMD Moulded Power Resistor - Type SM Series - Tyco Electronics Passives

English