# SMW2R12JT ✔ ACTIVE

CGS | CGS SM

TE Internal #: 1676966-3

.12 ohm, Wire Wound, Power Resistor, 5 %, 2 W, ±200 ppm/°C, Solder, 2 Terminations, 3.55 mm [.14 in] Height, 6.7 mm [.264 in] Length, CGS SM

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 7 Watt, 200-2M Ohm

Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **2 W**

Resistance Value: **.12 Ω**

Resistance Class: **Up to 1kΩ**

All SMD Power Resistor: 7 Watt, 200-2M Ohm (316)

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | Power Resistor |
| Element Type | Wire Wound |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 300 V |
| Power Rating | 2 W |
| Resistance Value | .12 Ω |
| Resistance Class | Up to 1kΩ |
| 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 |

### Industry Standards

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

### Packaging Features

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

## Product Compliance

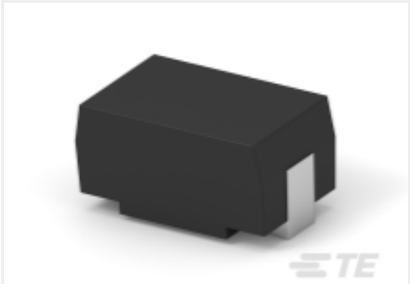
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 | Wave solder capable to 265°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%

TE Part # 2176616-3
SMQW2W R12 5%

## Also in the Series | CGS SM

Battery Holders(1)

Expanded Beam Fiber Optics(5)

LC Connectors(1)

RJ14 Connectors(1)

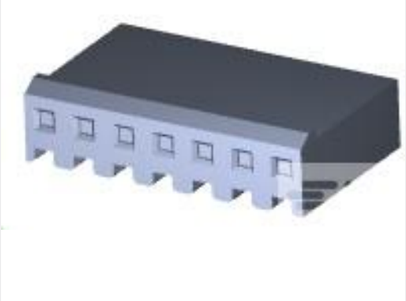
RJ22 Connectors(1)

RJ25 Connectors(1)

SC Connectors(2)

## Customers Also Bought

TE Part #T4113402051-000
M12,MALE,RA,B CODE,5P,PG9,GOLD



TE Part #640250-7
07P SL156 HSG W/LCK RAMP NATL

TE Part #3-770476-1
SL156 RECPT, SNNI/PHBZ

TE Part #1565917-4
EMBOSS ASSY DDR2 SODIMM SOCKET 200P 5.2H

TE Part #1622931-1
CRG0603 1% 390R

TE Part #1623570-1
CRG1206 1% 82R

TE Part #4-2176328-5
CRGP 1206 47K 1%

TE Part #4-2176339-5
CRGCQ 0603 47K 1%

TE Part #2-2176343-9
CRGCQ 1206 2K2 1%

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1676966-3_BA.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1676966-3_BA.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1676966-3_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

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

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English