



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



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **3 W**

Resistance Value: **150 Ω**

Resistance Class: **Up to 1kΩ**

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

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Operating Voltage           | 500 V     |
| Power Rating                | 3 W       |
| Resistance Value            | 150 Ω     |
| Resistance Class            | Up to 1kΩ |
| Passive Component Tolerance | 5 %       |

Termination Features

|                                         |        |
|-----------------------------------------|--------|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations                  | 2      |

Dimensions

|                |                  |
|----------------|------------------|
| Product Height | 5 mm[.197 in]    |
| Product Length | 10.5 mm[.413 in] |



|               |                 |
|---------------|-----------------|
| Product Width | 5.5 mm[.217 in] |
|---------------|-----------------|

Usage Conditions

|                         |             |
|-------------------------|-------------|
| Temperature Coefficient | ±200 ppm/°C |
|-------------------------|-------------|

Industry Standards

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

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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°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

SMW3150RJT

Power Resistor, Wire Wound, 3 W, 150 ohm, 5 %, ±200 ppm/°C, Solder, 2 Termination, Height 5 mm [.197 in], Length 10.5 mm [.413 in], CGS SM



TE Part # CAT-C339-SM1  
SMD Power Resistor: 7 Watt, 200-2M Ohm

TE Part # 1879233-9  
SMW5 R22 5%

TE Part # 7-2176617-7  
SMQW3W 150R 5%

TE Part # 9-1879021-2  
SMW3 R15 1%

Also in the Series | CGS SM

Battery Holders(1)

Expanded Beam Fiber Optics(9)

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 #188744-1  
CONTACT REC HE14 COSI TIN PLATED

TE Part #2007194-1  
SFP+ 1x1 Cage Assembly, PCI, Solder Tail

TE Part #926519-2  
KEYING PLUG

TE Part #166309-2  
MOD-5 REC.CONTACT



TE Part #7-1879208-9  
CPF 0402 18K 0.1% 25PPM 1K RL

TE Part #281786-6  
PLUG HE14 IDC 180 6 P AWG 28-26

TE Part #2311763-3  
AMPL REC, HD22, R/A, 15P, THREADED

TE Part #2182463001  
55A0811-24-2

TE Part #61761-2  
187 FASTON TAB TPBR

TE Part #5-2176474-5  
RA73F 1J 2K0 0.1% 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_7-1879021-7\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-1879021-7\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-1879021-7\_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