



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



Resistor Type: **Power Resistor**  
Element Type: **Metal Film**  
Power Rating: **3 W**  
Resistance Value: **100K  $\Omega$**   
Resistance Class: **1k $\Omega$  – 1M $\Omega$**

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

Features

Product Type Features

|               |                |
|---------------|----------------|
| Resistor Type | Power Resistor |
| Element Type  | Metal Film     |

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 500 V                     |
| Power Rating                | 3 W                       |
| Resistance Value            | 100K $\Omega$             |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| 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 | ±100 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

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

TE Part # 1879233-9  
SMW5 R22 5%

TE Part # 5-2176620-6  
SMQF3W 100K 5%

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

SMF3100KJT

Power Resistor, Metal Film, 3 W, 100K ohm, 5 %, ±100 ppm/°C, Solder, 2 Termination,  
Height 5 mm [.197 in], Length 10.5 mm [.413 in], CGS SM



|                                                                                                                                                            |                                                                                                                                   |                                                                                                                                                         |                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #8-1879021-1<br/>SMD Power Resistor: 7 Watt, 0.10-500 Ohm</p> |  <p>TE Part #9-2176070-4<br/>3521 75K 1% 2W</p> |  <p>TE Part #556881-3<br/>RCPT ASY,VRT,AMPINRGY WTB,3POS</p>         |  <p>TE Part #58654-1<br/>PRO-CRIMP TL &amp; DIE MOD II</p> |
|  <p>TE Part #7-2176412-2<br/>5W XSM M/OX 5% 4K7</p>                      |  <p>TE Part #86477-3<br/>MOD I RECP STMPD</p>  |  <p>TE Part #1-1318772-3<br/>025 12POS CAP ASSY H SELECTIVE-TIN</p> |                                                                                                                                               |

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6-1879022-1\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1879022-1\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1879022-1\_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