



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



Resistance Value: 47 Ω

Resistor Type: Power Resistor

Element Type: Wire Wound

Power Rating: 5 W

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	500 V
Resistance Value	47 Ω
Power Rating	5 W
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

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/°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	Out of Scope
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

SMW547RJT

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



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

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 #2176475-1
RA73F 1J 5K9 0.1% 1K RL

TE Part #350547-3
UMNL PIN 20-14 PTPPHBZ L/P

TE Part #1376350-2
025 I/O CAP HSG ASSY 8P

TE Part #350583-1
03P UMNL PIN HDR ASSY V2 NATL

TE Part #350430-1
04P UMNL PIN HDR ASSY NATL

TE Part #L9000280-01
SMA Jack 50 Ohm .062 PCB Edge Mount

TE Part #350669-1
UMNL GRND PIN 20-14 PTPBR L/P

TE Part #5353928-1
Std USB Type A, R/A, SMT, Offset, Panel

SMW547RJT

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



Documents

Product Drawings

[SMW5 47R 5%](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-1879233-5_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1879233-5_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1879233-5_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