SMW551RJT ✔ ACTIVE

CGS | CGS SM

TE Internal #: 6-1879233-6

Power Resistor, Wire Wound, 5 W, 51 ohm, 5 %, ±200 ppm/°C, Solder, 2 Termination, Height 6.8 mm [.268 in], Length 13.5 mm [.531 in], CGS SM

View on TE.com >

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: **5 W**

Resistance Value: **51 Ω**

Resistance Class: **Up to 1kΩ**

All SMD Power Resistor: 7 Watt, 0.10-500 Ohm (141)

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	5 W
Resistance Value	51 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	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

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

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

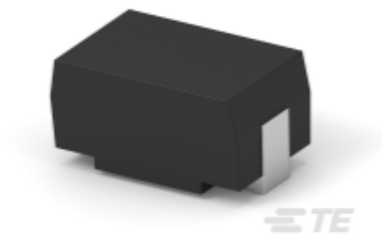
For compliance documentation, visit the product page on TE.com>

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) 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°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



Battery Holders(1)



Expanded Beam Fiber Optics(9)



LC Connectors(1)



RJ14 Connectors(1)



RJ22 Connectors(1)



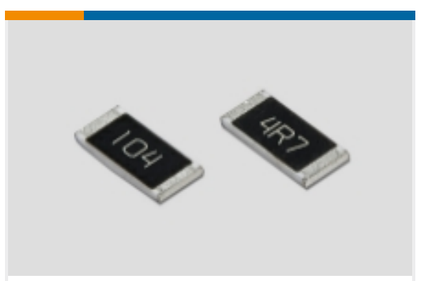
RJ25 Connectors(1)



RJ45 Connectors(3)



SC Connectors(2)

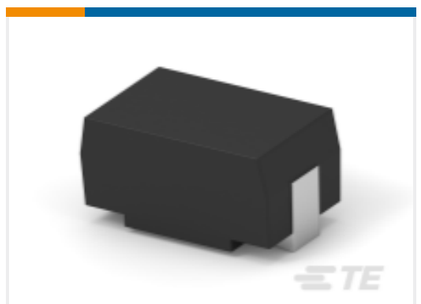


Surface Mount Resistors(554)

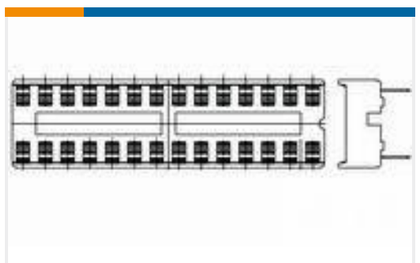
Customers Also Bought



TE Part #2-5177986-6
0.8FH,P07H.5,140,08/Sn,TR,SC



TE Part #6-1879233-0
SMD Power Resistor: 7 Watt, 0.10-500 Ohm



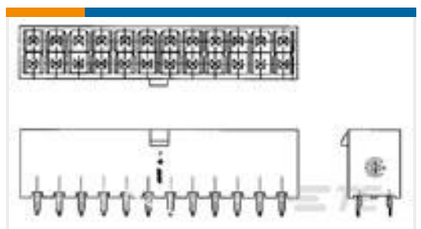
TE Part #1-2199298-9
28P,DIP SKT,300 CL,LDR,PB FREE



TE Part #53886-1
PNL MT ADAPTER,FEMALE,POWER LK



TE Part #3-6318491-6
.5FHP08H,220,S,GIG,08/Sn,HT,NSYes



TE Part #1-1586768-0
10P VERT HDR VAL-U-LOK GW



TE Part #1879022-9
SMF3 680R 5%

Documents

Product Drawings

SMW5 51R 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1879233-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1879233-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1879233-6_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

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

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

141991-2 1743455-2 1969656-1 3-1393225-0 RH73H2A40MKTN ROX05SJ18R 2834055-1 1393431-1 2380312-2 3430B2F51RTDF 936348-1 175977-2 2005330-1 650075-000 MPT100C18RF SBCHE64R7K TE50BR39J 2-292161-3 2377783-2 3631B101LL 917696-1 1-794222-0 1-962915-1 1903112-2 2310537-1 CPF0402B37K4E1 CRGCQ2010J3K3 SBCHE154R7K U5254-000005-030PA SMW73R0JT