SMF31K8JT ✔ ACTIVE

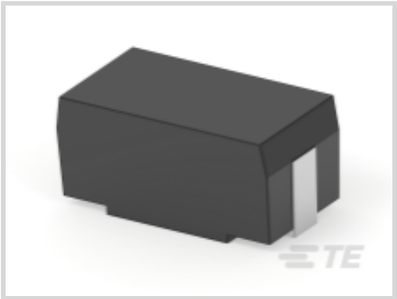
CGS | CGS SM

TE Internal #: 1-1879022-9

1.8K ohm, Metal Film, Power Resistor, 5 %, 3 W, ±100 ppm/°C, Solder, 2 Terminations, 5 mm [.197 in] Height, 10.5 mm [.413 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: **Metal Film**

Power Rating: **3 W**

Resistance Value: **1.8K Ω**

Resistance Class: **1kΩ – 1MΩ**

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	1.8K Ω
Resistance Class	1kΩ – 1MΩ
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

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) Candidate List Declared Against: JUNE 2025 (250) 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

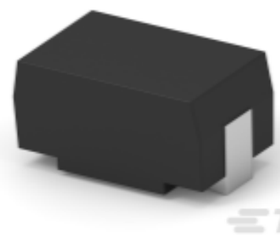
Product Compliance Disclaimer

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

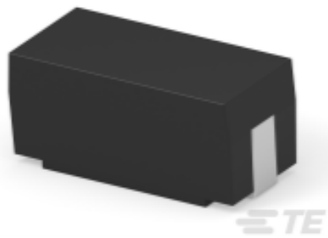
on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

TE Part # 1879233-9
SMW5 R22 5%



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



TE Part # 1-2176620-4
SMQF3W 1K8 5%

Also in the Series | CGS SM

Battery Holders(1)

Expanded Beam Fiber Optics(5)

LC Connectors(1)

RJ14 Connectors(1)

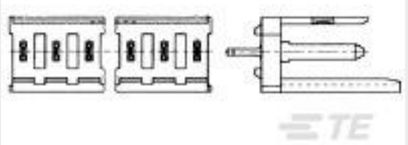
RJ22 Connectors(1)

RJ25 Connectors(1)

SC Connectors(2)

Customers Also Bought

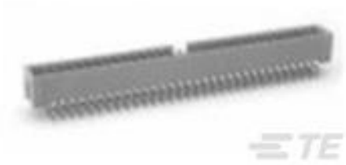
TE Part #7574442007
RAYRIM-NR8-0-STK



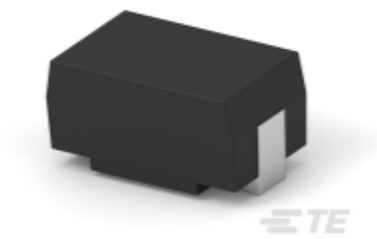
TE Part #280611-2
6P MOD 1 SHROUDED HEADER, ST, 0.4 Au

TE Part #9-1614882-1
CPF 0603 10R 0.1% 25PPM 1K RL

TE Part #1676153-2
RN 0805 10K 0.1% 10PPM 1KRL

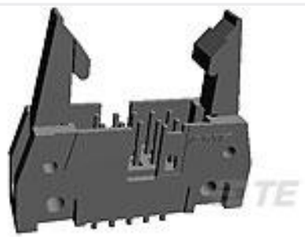


TE Part #2-1761605-3
IDC LOW PRO HDR 10P RA BLUE

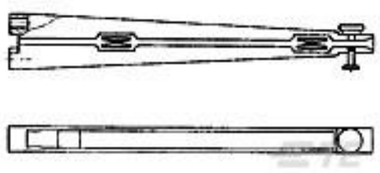


TE Part #CAT-C339-SM1
SMD Power Resistor: 7 Watt, 200-2M Ohm

TE Part #6-1879233-1
SMW5 33R 5%



TE Part #2-5499206-8
A/L UNIV HDR 34P VERT LAT B



TE Part #4-1437353-9
OEC G6032VR CARD GUIDE LOCKING 120 MM

Documents

Product Drawings

SMF3 1K8 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1879022-9_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1879022-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1879022-9_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