# SMF31K5JT ✔ ACTIVE

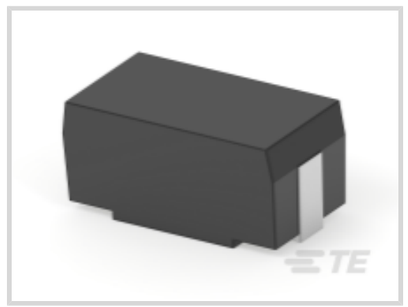
CGS | CGS SM

TE Internal #: 1-1879022-7

Power Resistor, Metal Film, 3 W, 1.5K Ω, 5 %, ±100 ppm/°C, Solder, 2 Termination, Height .197 in [5 mm], Length .413 in [10.5 mm], 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: **1.5K 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 | 1.5K 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 |

### Packaging Features

| | |
|---|---|
| Packaging Method | Taped & Reeled |

## Product Compliance

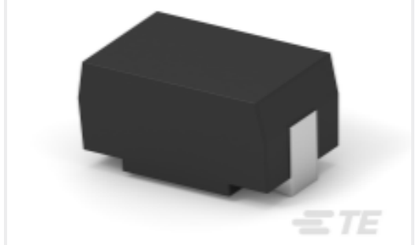
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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

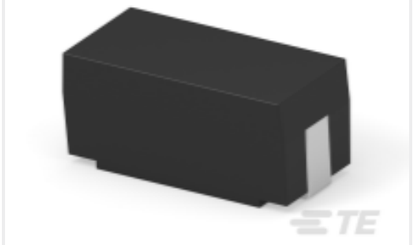
## Compatible Parts



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



TE Part # 1879233-9
SMW5 R22 5%



TE Part # 1-2176620-2
SMQF3W 1K5 5%

## Also in the Series | CGS SM



Battery Holders(1)



Expanded Beam Fiber Optics(9)



LC Connectors(2)



RJ14 Connectors(1)



RJ22 Connectors(1)



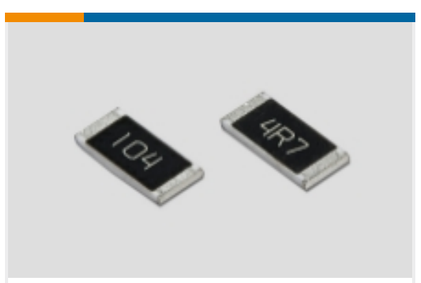
RJ25 Connectors(1)



RJ45 Connectors(3)



SC Connectors(2)

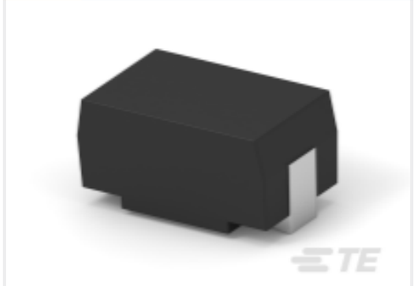



Surface Mount Resistors(554)

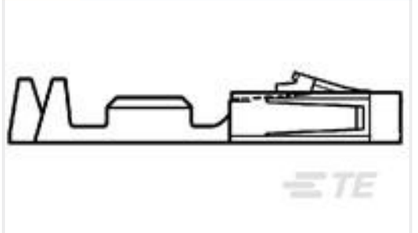
## Customers Also Bought



TE Part # 1393260-4
SR6B4012 - V23050-A1012-A542



TE Part # 1-1879011-1
SMD Power Resistor: 7 Watt, 200-2M Ohm



TE Part # 104479-8
SHORT POINT CONT PLTD SN



TE Part # 8-1676481-6
CPF 0603 30K 0.1% 25PPM 1K RL



TE Part # 1622500-1
LR1 1% 4K7



TE Part # 2-1625886-6
1W SM M/OX 5% 56R



TE Part # 1-2176088-8
RP 1J 0.166W 1K13 0.1% 25PPM 1K RL



TE Part # 234041-E
M12 FEMALE, D CODE, 4P, 17MM SMT



TE Part # 640900-3
05P UMNL PIN HDR ASSY 94VO LF

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1879022-7_BA.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1879022-7_BA.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1879022-7_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof 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