# SMF31M0JT ✔ ACTIVE

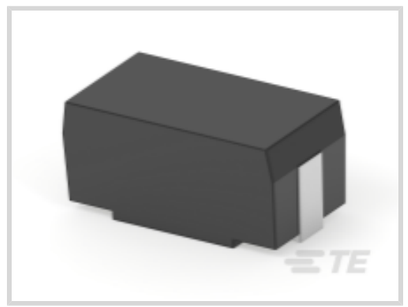
CGS | CGS SM

TE Internal #: 8-1879022-5

1M 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: **1M Ω**

Resistance Class: **1MΩ – 1GΩ**

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 | 1M Ω |
| Resistance Class | 1MΩ – 1GΩ |
| 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>

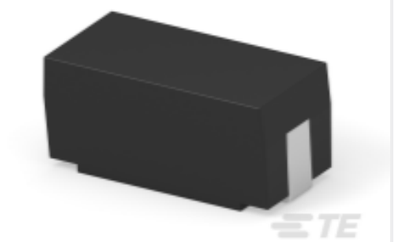
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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

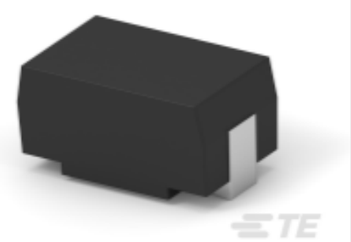
## Compatible Parts



TE Part # 8-2176620-0
SMQF3W 1M0 5%

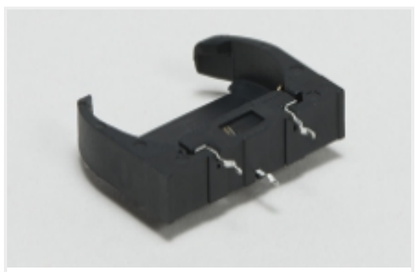


TE Part # 1879233-9
SMW5 R22 5%



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

## Also in the Series | CGS SM



Coin Cell Battery Holders(1)



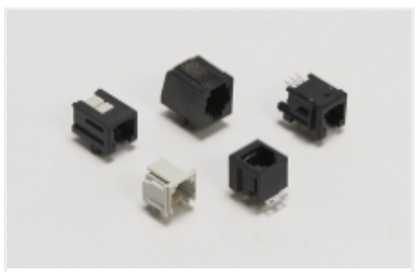
Expanded Beam Fiber Optics(5)



LC Connectors(1)



RJ22 Connectors(1)

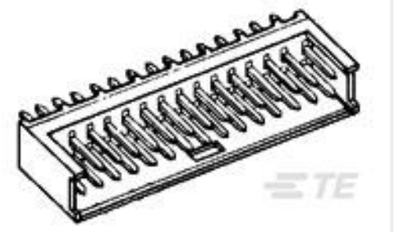


RJ25 Connectors(1)

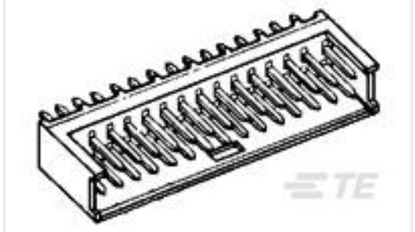


SC Connectors(2)

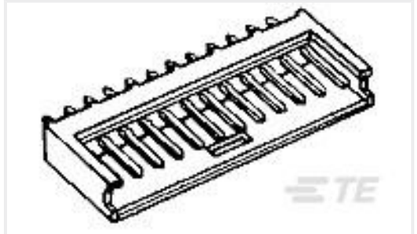
## Customers Also Bought



TE Part #280384-1
2X4P AMPMODU II SHRD HDR, ST, TIN



TE Part #280385-1
2X8P AMPMODU II SHRD HDR, ST, TIN



TE Part #280520-1
12P AMPMODU II SHRD HDR, ST, TIN



TE Part #8-1415537-0
SR6B6K24




TE Part #1623170-1
CRG0805 1% 27K



TE Part #1825011-5
ASF22GL04=DPDT AUTOSLIDE



TE Part #4-1879352-5
RR02 5% 22R AMMO




TE Part #2176230-1
3522 0R0 5% 3W



TE Part #2-2176412-0
5W XSM M/OX 5% 33R



TE Part #6-2176412-5
5W XSM M/OX 5% 2K4

## Documents

### Product Drawings

SMF3 1M0 5%

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-1879022-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-1879022-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-1879022-5_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

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

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English