

SMF3100KJT

✓ ACTIVE

CGS | CGS SM

TE Internal #: 6-1879022-1
100K ohm, Metal Film, Power Resistor, 5 %, 3 W, ± 100 ppm/ $^{\circ}$ C,
Solder, 2 Terminations, 5 mm [.197 in] Height, 10.5 mm [.413 in]
Length, CGS SM

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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: **100K Ω**
Resistance Class: **1k Ω – 1M Ω**

[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
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Electrical Characteristics

Operating Voltage	500 V
Power Rating	3 W
Resistance Value	100K Ω
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
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Number of Terminations	2
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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
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Industry Standards

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

Packaging Features

Packaging Method	Taped & Reeled
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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

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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 # 5-2176620-6
SMQF3W 100K 5%

TE Part # 1879233-9
SMW5 R22 5%

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 #1-406541-9
MJ,INV,1X1,6PNL G.,100"ST,SN

TE Part #7-1609097-8
16EQ1=F8365

TE Part #7-1879022-7
SMF3 470K 5%

TE Part #9-1879130-0
RN 0402 5K36 0.1% 10PPM 5K RL





TE Part #1-1879334-8
CPF 0603 3R01 1% 50PPM 1K RL



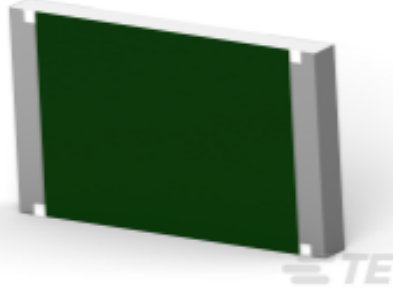
TE Part #3-1879334-3
CPF 0603 4R32 1% 50PPM 1K RL



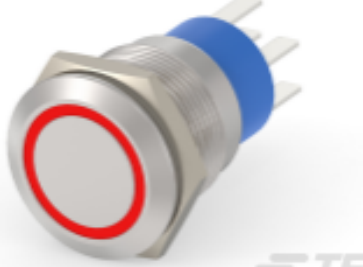
TE Part #7-1879337-4
CPF 0603 14K3 1% 50PPM 1K RL



TE Part #3-2176092-9
RP 2A 0.25W 1K78 0.1% 25PPM 1K RL



TE Part #2176407-2
3560 15K 1%



TE Part #6-2213767-5
AV19 DPL 3A MOVE RING LED RED 12V

Documents

Product Drawings

SMF3 100K 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1879022-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1879022-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1879022-1_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