SMF2820RJT ✔ ACTIVE

CGS | CGS SM

TE Internal #: 1-1879011-5

820 Ω, Metal Film, Power Resistor, 5 %, 2 Termination, Taped & Reeled, 2 W, ±100 ppm/°C, Solder, 6.7 x 4 x 3.55 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**

Number of Terminations: **2**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

Element Type: **Metal Film**

All SMD Power Resistor: 7 Watt, 200-2M Ohm (316)

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Element Type	Metal Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Voltage Rating	300 V
Passive Component Tolerance	5 %
Resistance Class	Up to 1kΩ
Resistance Value	820 Ω
Power Rating	2 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	6.7 x 4 x 3.55 mm

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-2176619-1
SMQF2W 820R 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)

Surface Mount Resistors(554)

Customers Also Bought

TE Part #1-2199119-5
M.2 0.5PITCH 3.2H KEY M 15U'' AU

TE Part #5-2176070-6
SMD Power Resistor: 2 Watt, 3521 Series

TE Part #7278870001
RPS-1K-18-12/2.0-9

TE Part #208652-1
SEALING CAP ASSY,SZ 17,CPC

TE Part #1734328-2
Mini USB AB R/A,Rcpt,SMT,T&R

TE Part #8-2176304-0
RP 1E 0.1W 66R5 0.1% 25PPM 5K RL

TE Part #4-1393224-2
RY211005

TE Part #2369022-1
Mezalok, LF SKT, 60 p, 10 mm, 50 Au, TL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1879011-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1879011-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1879011-5_BA.3d_stp.zip

English

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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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English