



CGS | CGS SQ

TE Internal #: 1623783-6

220 ohm, Metal Oxide / Wire Wound, Power Resistor, 5 %, 7 W,
±300 ppm/°C, Radial-Leaded, Copper Termination, 39 x 13 x 9 mm,
Loose Piece - Box, CGS SQ

[View on TE.com >](#)

Passive Components > Resistors > Through-Hole Resistors > Wirewound Resistor: Vertical Mount



Resistor Type: **Power Resistor**

Element Type: **Metal Oxide, Wire Wound**

Power Rating: **7 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **220 Ω**

[All Wirewound Resistor: Vertical Mount \(202\)](#)

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Metal Oxide, Wire Wound

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	7 W
Resistance Class	Up to 1kΩ
Resistance Value	220 Ω
Passive Component Tolerance	5 %

Body Features

Lead Type	Radial-Leaded
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Termination Features



Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	39 x 13 x 9 mm
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Usage Conditions

Operating Temperature Range	-55 – 250 °C[-67 – 482 °F]
Temperature Coefficient	±300 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Box
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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 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



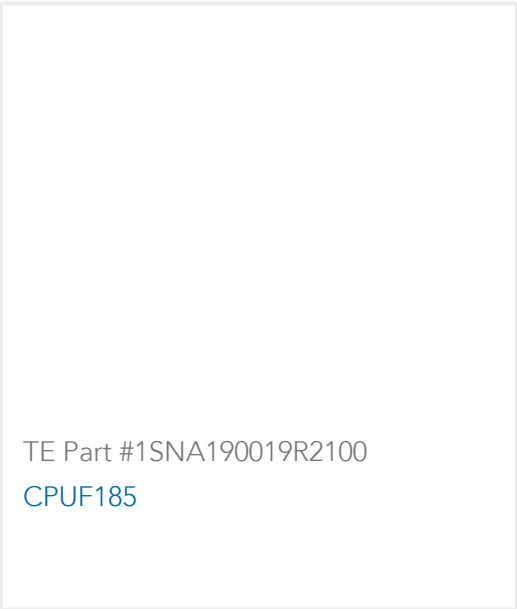
TE Part # CAT-C339-SQ1
Wirewound Resistor: Vertical Mount

Also in the Series | CGS SQ



Through-Hole Resistors(659)

Customers Also Bought



TE Part #1SNA190019R2100
CPUF185



TE Part #ANT-868-CW-HWR-SMA
Antenna 1/2 Wave Whip Swivel
868MHz SMA



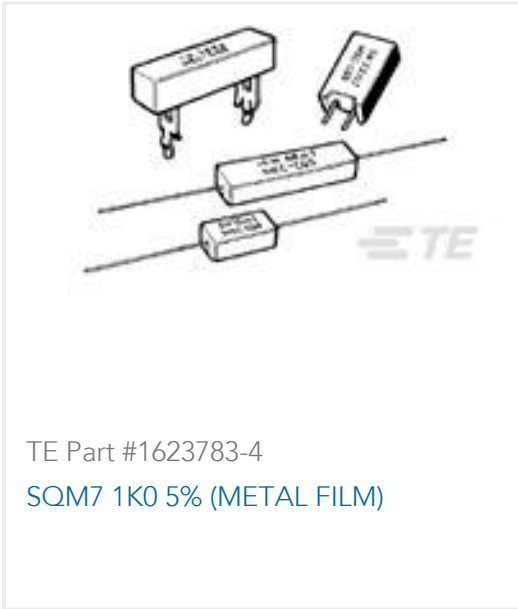
TE Part #5-146253-4
08 MODII HDR DRST B/A .100CL LF



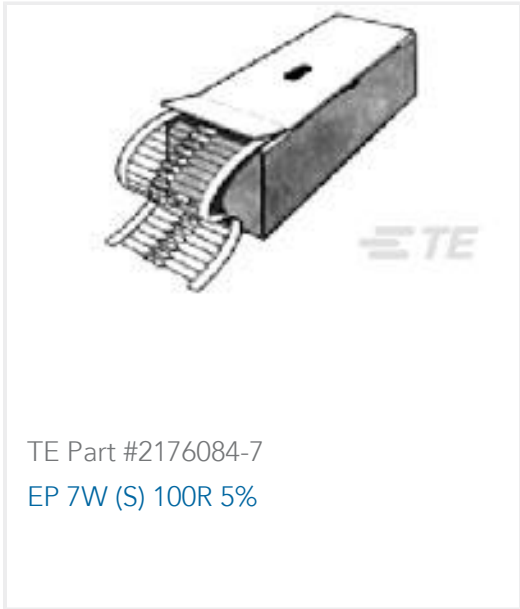
TE Part #6-534998-2
24 MODIV VRT DR CE 100/125



TE Part #3-1623728-6
BCHE 11 W 1R2 10%



TE Part #1623783-4
SQM7 1K0 5% (METAL FILM)



TE Part #2176084-7
EP 7W (S) 100R 5%



TE Part #1-2176217-3
CPF A 0805 39R 0.1% 25PPM 1K RL



TE Part #6-2176400-0
3540 300R 1%



TE Part #103670-5
06 MTE HDR SRST LATCH W/HLDWN



Documents

Product Drawings

[SQM7 220R 5% \(WIRE\)](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1623783-6_BB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1623783-6_BB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1623783-6_BB.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[4-1773460-6_RESISTIVE_SOLUTIONS_RAIL](#)

English

[1309350_PASSIVE_COMPONENT](#)

English

[High Power Resistors - Type SQ Series](#)

English

[8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS](#)

English