



CGS | CGS SQ

TE Internal #: 1-1623783-7

680 ohm, Through-Hole Power Resistor, Metal Oxide / Wire

Wound, 7 W, 5 %, ±300 ppm/°C, Radial-Leaded, Copper

Termination, 39 x 13 x 9 mm, CGS SQ

[View on TE.com >](#)

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



Resistance Value: 680 Ω

Resistor Type: Power Resistor

Element Type: Wire Wound, Metal Oxide

Power Rating: 7 W

Resistance Class: Up to 1kΩ

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

Features

Usage Conditions

Operating Temperature Range	-55 – 250 °C
Temperature Coefficient	±300 ppm/°C

Electrical Characteristics

Resistance Value	680 Ω
Power Rating	7 W
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound, Metal Oxide

Configuration Features

Number of Resistors	1
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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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Packaging Features

Packaging Method	Loose Piece - Box
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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-SQ1
Wirewound Resistor: Vertical Mount

Also in the Series | CGS SQ



Through-Hole Resistors(659)

Customers Also Bought



TE Part #1-2176163-5
UPF50 0.1% 5PPM 500R



TE Part #8-1625890-1
2W SM M/OX 5% 3R3



TE Part #3-2176345-3
CRGCQ 1210 4K7 1%



TE Part #5499922-3
A/L UNIV HDR 16P VERT LAT



TE Part #292304-5
STD USB TYPE B, R/A, T/H, 30U" AU



TE Part #1-2176331-1
CRGP 2512 68R 1%



TE Part #8-1879255-5
RP 2B 100R 0.1% 15PPM CUT LENG



TE Part #2176163-7
UPF50 0.1% 5PPM 200R



Documents

Product Drawings

[SQM7 680R 5% \(METAL FILM\)](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1623783-7_BB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1623783-7_BB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1623783-7_BB.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[4-1773460-6_RESISTIVE_SOLUTIONS_RAIL](#)

English

[1309350_PASSIVE_COMPONENT](#)

English

[8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS](#)

English

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

English