



CGS | CGS SQ

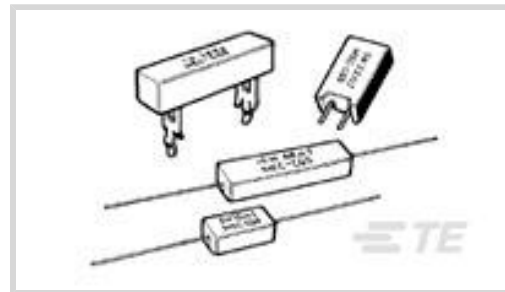
TE Internal #: 2-1879009-8

680 ohm, Through-Hole Power Resistor, Wire Wound, 30 W, 5 %, ±300 ppm/°C, Radial-Leaded FASTON, 39.5 x 19 mm, Loose Piece

- Box, CGS SQ

[View on TE.com >](#)

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



Resistance Value: 680 Ω

Resistor Type: Power Resistor

Element Type: Wire Wound

Power Rating: 30 W

Resistance Class: Up to 1kΩ

[All Wirewound Resistor: Horizontal Mount \(156\)](#)

## Features

### Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Resistance Value	680 Ω
Power Rating	30 W
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

### Body Features

Lead Type	Radial-Leaded FASTON
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### Termination Features

Number of Terminations	2
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### Dimensions

Passive Component Dimensions	39.5 x 19 mm
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### Usage Conditions



Operating Temperature Range	-55 – 250 °C
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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**



## Also in the Series | **CGS SQ**



[Through-Hole Resistors\(659\)](#)

## Customers Also Bought




TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #DT04-2P  
REC, 2P, GRY, N

## Documents

### Product Drawings

[SQB30 680R 5% 6.35MM FASTON](#)

English

### 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