



CGS | CGS SQ

TE Internal #: 2-1623779-8

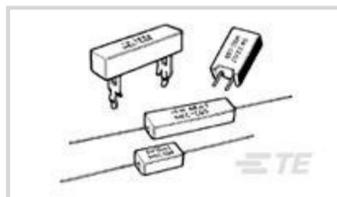
1K ohm, Wire Wound, Power Resistor, 5 %, 20 W, ±300 ppm/°C,

Radial-Leaded, Copper Termination, 60 x 14 x 13.5 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: **Wire Wound**

Power Rating: **20 W**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **1K Ω**

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

## Features

### Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Power Rating	20 W
Resistance Class	1kΩ – 1MΩ
Resistance Value	1K 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	60 x 14 x 13.5 mm
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### Usage Conditions

Operating Temperature Range	-55 – 250 $^{\circ}\text{C}$ [-67 – 482 $^{\circ}\text{F}$ ]
Temperature Coefficient	$\pm 300$ ppm/ $^{\circ}\text{C}$

### 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 $^{\circ}\text{C}$

#### 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 #52369  
TERMINAL,PIDG SPD FLG 26-22 4



TE Part #CAT-H857-H34220  
AMP HPI 2.0 mm Headers



TE Part #CAT-H857-H817220  
AMP HPI 2.0 mm Receptacle Housings



TE Part #1-1623779-3  
SQB20 2R2 5% (WIRE)



TE Part #5555154-4  
MJ,R/A,LP,F6P/6C,SHLD,PNLTUBE



TE Part #90120  
DAHT 250 FASTON REC 14-10 ASSY

### Documents

[Product Drawings](#)  
[SQB20 1K0 5% \(WIRE\)](#)

English

[CAD Files](#)  
[3D PDF](#)

3D



**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-1623779-8\\_BA.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-1623779-8\\_BA.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-1623779-8\\_BA.3d\\_igs.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