



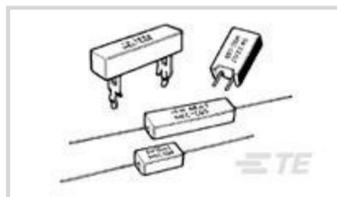
CGS | CGS SQ

TE Internal #: 2-1623779-0

47 ohm, Wire Wound, Power Resistor, 5 %, 20 W, ± 300 ppm/ $^{\circ}$ 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: **Up to 1k Ω**

Resistance Value: **47 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 |
|---------------------|---|

Electrical Characteristics

| | |
|-----------------------------|-------------------|
| Power Rating | 20 W |
| Resistance Class | Up to 1k Ω |
| Resistance Value | 47 Ω |
| Passive Component Tolerance | 5 % |

Body Features

| | |
|-----------|---------------|
| Lead Type | Radial-Leaded |
|-----------|---------------|

Termination Features

| | |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
| Number of Terminations | 2 |

Dimensions

| | |
|------------------------------|-------------------|
| Passive Component Dimensions | 60 x 14 x 13.5 mm |
|------------------------------|-------------------|



Usage Conditions

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

Packaging Features

| | |
|------------------|-------------------|
| Packaging Method | Loose Piece - Box |
|------------------|-------------------|

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



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

Also in the Series | CGS SQ



Through-Hole Resistors(659)

Customers Also Bought



TE Part #CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts



TE Part #RD2458-5-SMA
Dipol,RDuck,Fixed,SMAM 2400-5850MHz,5dBi



TE Part #CAT-D485-CH8172
DEUTSCH DTM Housings



TE Part #CSJ-SGFB-100-MHF4
SMA to MHF4 100mm 0.81 OD



TE Part #5-747905-5
9 Rcpt Solder Cup, 30 gold, Ro



TE Part #1717254-1
EMBOSS ASS'Y DDR SODIMM SOCKET



TE Part #2176326-7
CRGP 0603 33R 1%



TE Part #5787430-1
HDR ASY,VERT,STR TAIL,12.0V

Documents

[Product Drawings](#)
[SQB20 47R 5% \(WIRE\)](#)

English

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

3D



Customer View Model

[ENG_CVM_CVM_2-1623779-0_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1623779-0_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1623779-0_BA.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