



CGS | CGS SQ

TE Internal #: 1623790-3

47 ohm, Through-Hole Power Resistor, Wire Wound, 10 W, 5 %, ±300 ppm/°C, Radial-Leaded, Copper Termination, 35 x 16 x 12 mm, Loose Piece - Box, CGS SQ

[View on TE.com >](#)

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



Resistance Value: 47 Ω

Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: 10 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	47 Ω
Power Rating	10 W
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

### Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

### 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
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Number of Terminations 2

**Dimensions**

Passive Component Dimensions 35 x 16 x 12 mm

**Packaging Features**

Packaging Method Loose Piece - Box

**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 #2-2176504-1  
CJP 100W 47R 5% Lead



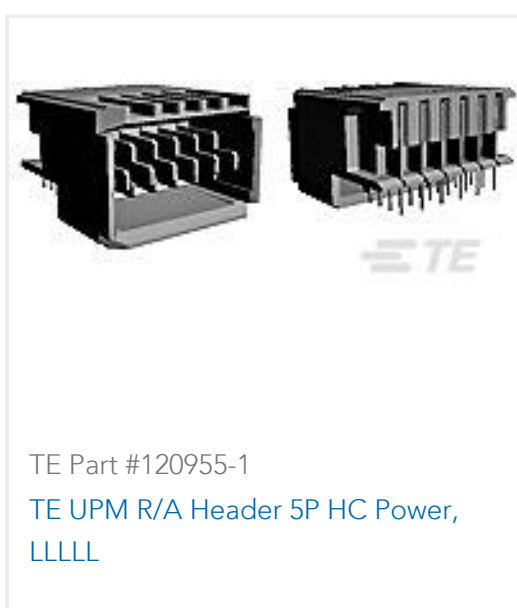
TE Part #5053542027  
RNF-100-3/4-8-STK



TE Part #9-1625867-1  
RP 1J 0.166W 54R9 0.1% 25PPM 1K RL



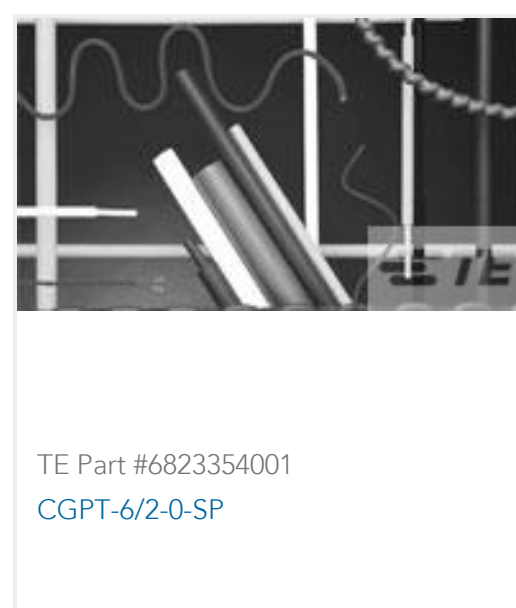
TE Part #2-338313-2  
9P.HDP20 REC. ASSY



TE Part #120955-1  
TE UPM R/A Header 5P HC Power, LLLLL



TE Part #5103309-1  
A/L LOW PRO HDR 10P VERT BLACK



TE Part #6823354001  
CGPT-6/2-0-SP



TE Part #63038-1  
250 FASTON TAB TPBR



TE Part #969973-4  
2x4P HV100 REC. CON, SMD, GOLD, BLISTER



TE Part #172245-2  
12P DLI PLUG HSG



## Documents

### Product Drawings

[SQM10S 47R 5% LP \(WIRE\)](#)

English

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### Datasheets & Catalog Pages

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

English