SQPW78R2J ✔ ACTIVE

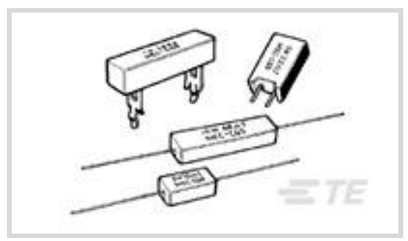
CGS | CGS SQ

TE Internal #: 5-1623795-9

8.2 Ω, Wire Wound, Power Resistor, 5 %, 35 x 10 x 9 mm, 2 Termination, Loose Piece - Box, 7 W, ±300 ppm/°C, Tinned Copper Leads Termination, CGS SQ

View on TE.com >

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



Resistor Type: **Power Resistor**

Passive Component Dimensions: **35 x 10 x 9 mm**

Number of Terminations: **2**

Packaging Method: **Loose Piece - Box**

Passive Component Tolerance: **5 %**

All Wirewound Resistor: Vertical Mount (202)

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1

Electrical Characteristics

Voltage Rating	500 V
Passive Component Tolerance	5 %
Resistance Class	Up to 1kΩ
Resistance Value	8.2 Ω
Power Rating	7 W

Body Features

Passive Component Lead Type	Axial-Leaded

Termination Features

Number of Terminations	2
Passive Component Termination Material Type	Tinned Copper Leads

Dimensions

Passive Component Dimensions	35 x 10 x 9 mm

Usage Conditions

Operating Temperature Range	-55 – 250 °C
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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

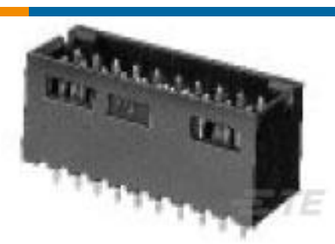
Compatible Parts

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

Also in the Series | CGS SQ

Through-Hole Resistors(662)

Customers Also Bought



TE Part #1-103168-8
40 MODII HDR DRST SHRD .100CL

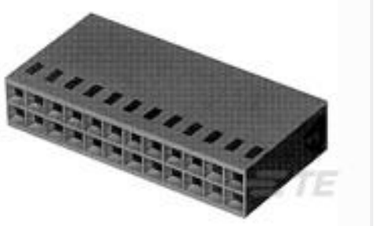
TE Part #1-102387-1
60 MODIV HSG COMP DR .100 POL

TE Part #204351-1
SZ 22 SOCKET CONTACT

TE Part #87666-5
MOD IV RECP PLTD 15 SEL

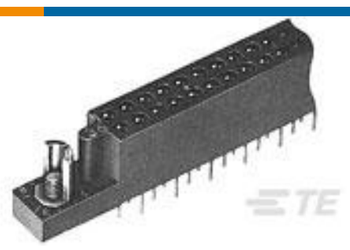
TE Part #350561-7
UMNL PIN 24-18 .0126 AU/NI/BR

TE Part #1-66107-0
III+ PIN,26-24,30AU/FL,SMPACK



TE Part #3-87456-6
40 MODIV HSG DR MRKD .100CL

TE Part #87667-2
MOD IV RECP LP



TE Part #530776-9
2 ROW BOX RECP 110 POS STAG

TE Part #234064-E
STVBTL BUT 100 CSI 2026 207 * J 2 34093

Documents

Product Drawings

SQP7 8R2 5% WIRE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1623795-9_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1623795-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1623795-9_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

High Power Resistors - Type SQ Series

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English