SQMW51R0J ✔ ACTIVE

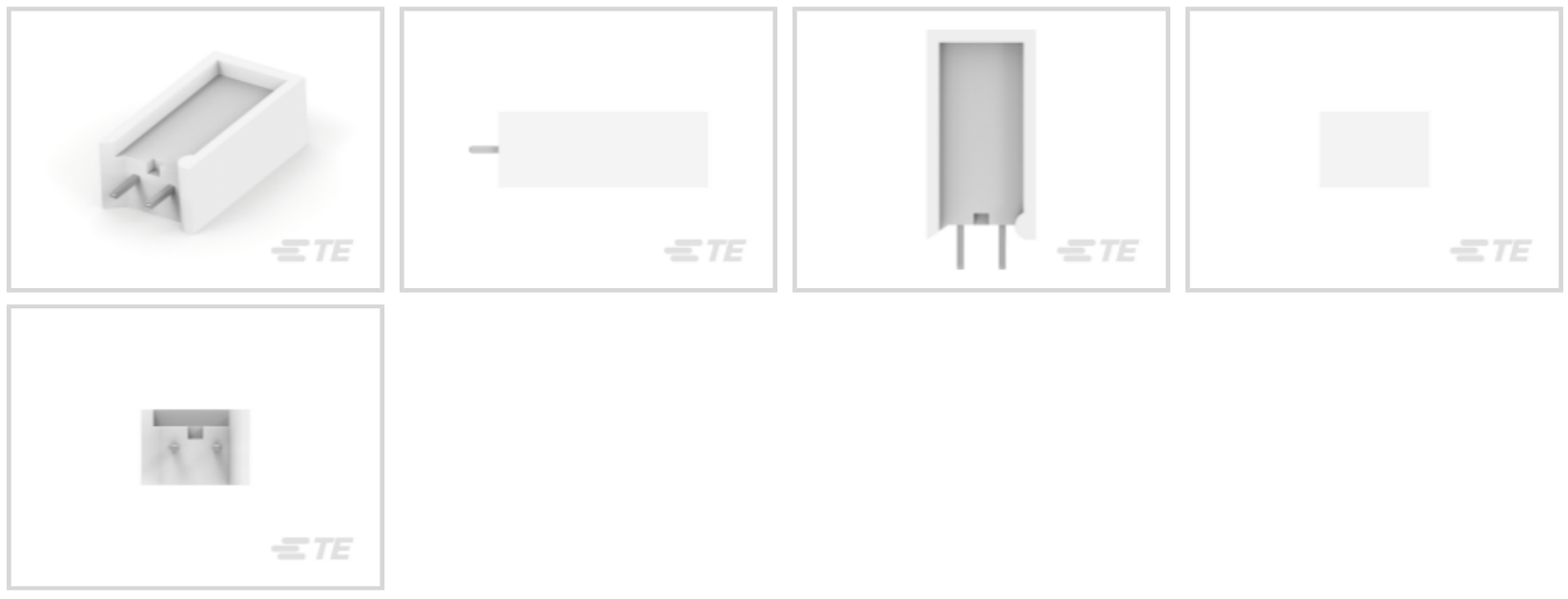
CGS | CGS SQ

TE Internal #: 1623788-9

1 ohm, Wire Wound, Power Resistor, 5 %, 5 W, ±300 ppm/°C, Radial-Leaded, Copper Termination, 25 x 13 x 9 mm, Loose Piece - Box, 2 Terminations, 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: **5 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **1 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	5 W
Resistance Class	Up to 1kΩ
Resistance Value	1 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	25 x 13 x 9 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	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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



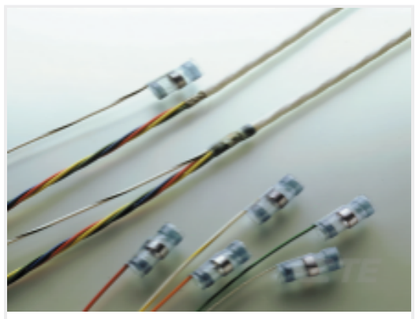
TE Part # CAT-C339-SQ1
Wirewound Resistor: Vertical Mount

Also in the Series | CGS SQ

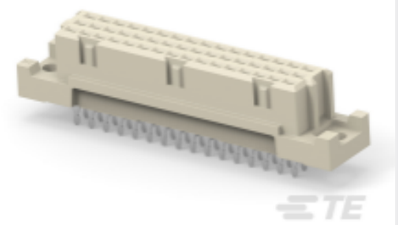


Through-Hole Resistors(659)

Customers Also Bought



TE Part #A65775-000
B-155-11-35-22-5



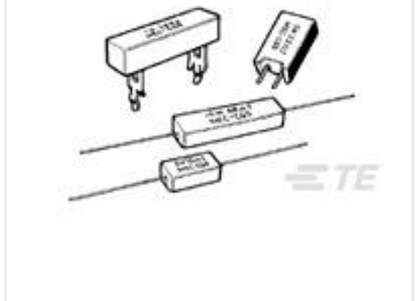
TE Part #254887-E
STVC/2 48 F ABC VVV 7-00 EE 4,0 * 247 E0



TE Part #4-794620-2
12P MICRO MNL ASSY,R/A,HDR,LF



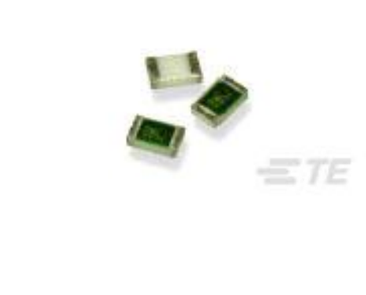
TE Part #1-1393224-4
RYA32005



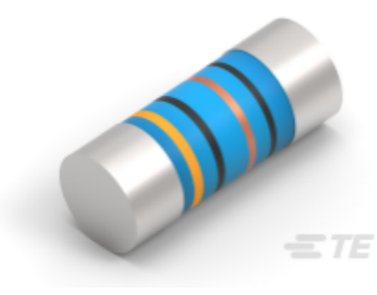
TE Part #1623804-5
SQZ10 22R 5% WIRE



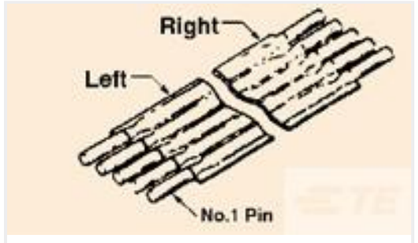
TE Part #2-1776584-6
JC6-F408-24-256, PP1-24, C2/D2



TE Part #7-1879215-1
CPF 0402 24K9 0.1% 25PPM 1K RL



TE Part #7-2176316-4
MELF SMA_A 100K 1% 50PPM 0207 1W



TE Part #5-1437145-7
FSN-24A-16=NOMEX FS STD



TE Part #1-2176081-5
EP1W (S) 150R 1%

Documents

Product Drawings

SQM5 1R0 5% (WIRE)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1623788-9_BB.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1623788-9_BB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1623788-9_BB.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