SPSW7100RJ ✔ ACTIVE

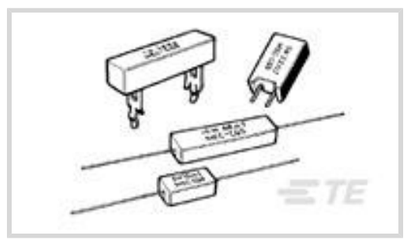
CGS | CGS SQ

TE Internal #: 1-1623778-0

Power Resistor, Wire Wound, 7 W, 100 ohm, 5 %, ±300 ppm/°C, Radial-Leaded, Copper Termination, 48 x 12 x 8.5 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: **7 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **100 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	7 W
Resistance Class	Up to 1kΩ
Resistance Value	100 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	48 x 12 x 8.5 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 2024 (241) Candidate List Declared Against: JUL 2021 (219) 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(663)

Customers Also Bought



TE Part #DT06-08SA
PLG, 8P, GRY, N, A



TE Part #W8S
WEDGE LOCK, 8P, PLG, ORG, STD, DT

Documents

Product Drawings

SPS7 100R 5%

English

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

High Power Resistors - Type SQ Series

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1743455-2 3-1393225-0 3631B101LL ROX05SJ18R 2310537-1 2377783-2 650075-000 175977-2
2005330-1 936348-1 CPF0402B37K4E1 1393431-1 2380312-2 3430B2F51RTDF CRGCQ2010J3K3
TE50BR39J U5254-000005-030PA 1-962915-1 RH73H2A40MKTN SMW73R0JT SBCHE64R7K 1-794222-0
1903112-2 2834055-1 917696-1 MPT100C18RF SBCHE154R7K 141991-2 1969656-1 2-292161-3