

SP2R59FT ✓ ACTIVE

CGS | CGS SP

TE Internal #: 1624314-1

CGS SP, Surface Mount Resistors, Power Resistor, 2 Termination, Taped & Reeled, 1 %, Wire Wound, Resistance Class Up to 1k Ω , .59 Ω , 2.5 W, ± 30 ppm/ $^{\circ}\text{C}$

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

Element Type: **Wire Wound**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Passive Component Tolerance	1 %
Resistance Class	Up to 1k Ω
Resistance Value	.59 Ω
Power Rating	2.5 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	12.14 x 5.84 x 5.33 mm
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Usage Conditions

Temperature Coefficient	± 30 ppm/ $^{\circ}\text{C}$
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Packaging Features

Packaging Method	Taped & Reeled
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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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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	Reflow solder capable to 260°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

 <p>TE Part # 1624274-2 SP1 120R 1% TAPED</p>	 <p>TE Part # 1624281-1 SP1 220R 5% TAPED</p>	 <p>TE Part # 1624298-2 SP2 13R3 1%TAPED</p>	 <p>TE Part # 2-1624292-1 SP1 475R 0.1% TAPED</p>
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Also in the Series | CGS SP



Primary Wire(4)



RJ45 Connectors(9)



SC Connectors(1)



Standard Circular Connectors(8)



Standard Labels(10)



Surface Mount Resistors(35)



Twisted Pair Cable(1)

Customers Also Bought



TE Part #7-1437569-9
64S2=COLOR PB CAP RED SQ



TE Part #4238070001
TRSA-1012/E/1/2



TE Part #7263000001
TRSA-1011/E/1/1



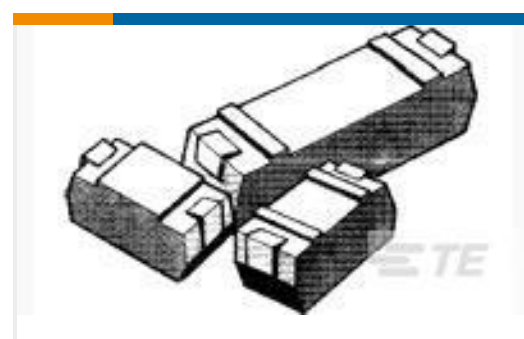
TE Part #YAFD57-22-55PNC012
PLUG ASSY



TE Part #YAFD57-22-55SNC012
PLUG ASSY



TE Part #4-1879207-5
RN 0603 442K 0.1% 10PPM 1K RL



TE Part #2-1624292-2
SP1 13R 1% TAPED



TE Part #KMAH1-15-1-C-S1-HE
KMAH1-15-1-C-S1-HE

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1624314-1_BB.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1624314-1_BB.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1624314-1_BB.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[SMD Moulded Power Resistor - Type SM Series - Tyco Electronics Passives](#)

English

[SMD Precision Current Sense Resistor - Type S Series - Tyco Electronics Passives](#)

English