SP23K16F ✔ ACTIVE

CGS | CGS SP

TE Internal #: 1624304-1

3.16K ohm, Wire Wound, Power Resistor, 1 %, 2.5 W, ±50 ppm/°C, Solder, 2 Terminations, 5.33 mm [.21 in] Height, 11.6 mm [.457 in] Length, CGS SP

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **2.5 W**

Resistance Value: **3.16K Ω**

Resistance Class: **1kΩ – 1MΩ**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	2.5 W
Resistance Value	3.16K Ω
Resistance Class	1kΩ – 1MΩ
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	5.33 mm[.21 in]
Product Length	11.6 mm[.457 in]
Product Width	5.84 mm[.23 in]

Usage Conditions

Temperature Coefficient	±50 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Bag

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	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 2023 (235) 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	Reflow solder capable to 260°C

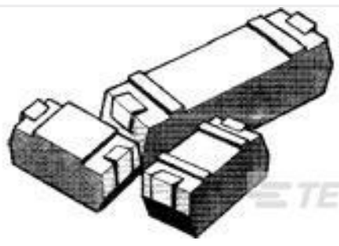
Product Compliance Disclaimer

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

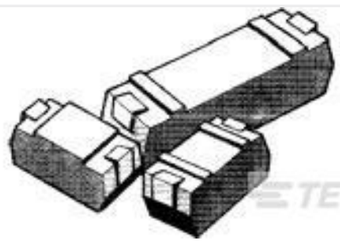
Compatible Parts



TE Part # 1624298-2
SP2 13R3 1%TAPED



TE Part # 1624297-3
SP2 10K 5% LOOSE



TE Part # 2-1624292-1
SP1 475R 0.1% TAPED

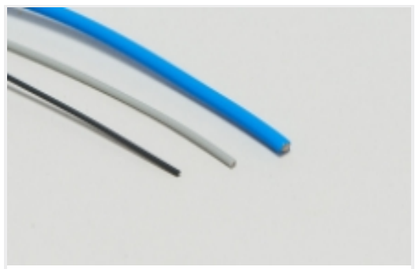


TE Part # 1624274-2
SP1 120R 1% TAPED



TE Part # 1624281-1
SP1 220R 5% TAPED

Also in the Series | CGS SP



Hook Up Wire(5)



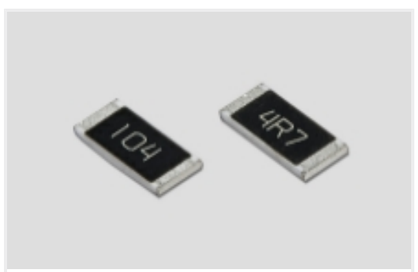
Power Cable(1)



RJ45 Connectors(6)



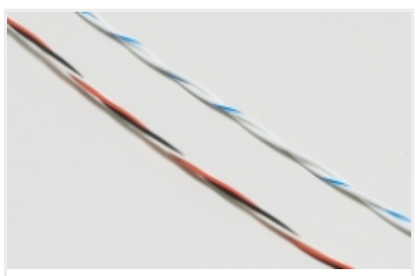
Standard Labels(8)



Surface Mount Resistors(36)



Through-Hole Resistors(1)



Twisted Pair Cable(1)

Customers Also Bought



TE Part #1-830611-0
LGH 1/2 SNGL MLD END



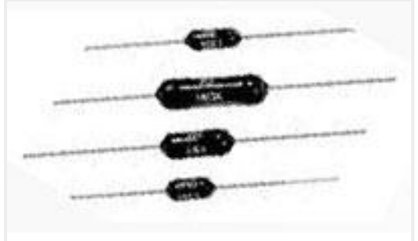
TE Part #9-1625971-5
HSA25 R01 10%



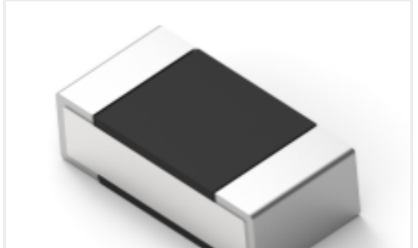
TE Part #1-1879353-9
RR02 5% 24K AMMO



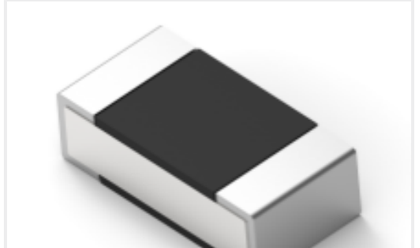
TE Part #7-1879354-5
RR03 5% 390R AMMO



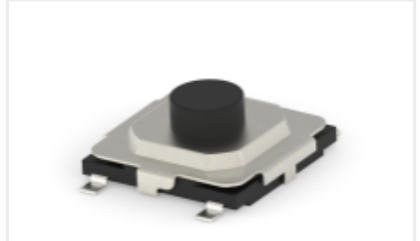
TE Part #7-1879648-1
H4P 287R 0.5% 100PPM



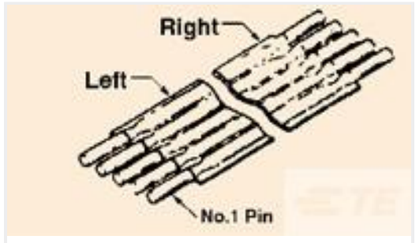
TE Part #7-2176305-3
RP 1E 0.1W 604R 0.1% 25PPM 5K RL



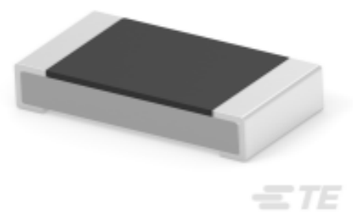
TE Part #3-2176307-2
RP 1E 0.1W 26K1 0.1% 25PPM 5K RL



TE Part #2337238-3
TACT MINI GW 5.2X5.2X2 160GF



TE Part #3-1437162-8
FSP-12A-11



TE Part #2-2176392-9
RQ 1206 261K 0.1% 10PPM 5K RL

Documents

Product Drawings

SP2 3K16 1% LOOSE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624304-1_BB.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1624304-1_BB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1624304-1_BB.3d_stp.zip

English

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Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

SMD Precision Current Sense Resistor - Type S Series - Tyco Electronics Passives

English