SBCHE42R2K ✔ ACTIVE

CGS | CGS SBC

TE Internal #: 1-1623730-3

2.2 ohm, Wire Wound, Power Resistor, 10 %, 4 W, ±400 ppm/°C, Axial-Leaded, Copper Termination, 20 x 7 x 8 mm, Loose Piece - Box, CGS SBC

View on TE.com >

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



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **4 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **2.2 Ω**

All Wirewound Resistor: Vertical Mount (102)

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	4 W
Resistance Class	Up to 1kΩ
Resistance Value	2.2 Ω
Passive Component Tolerance	10 %

Body Features

Lead Type	Axial-Leaded

Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	20 x 7 x 8 mm

Usage Conditions

Operating Temperature Range	-55 – 350 °C[-67 – 662 °F]
Temperature Coefficient	±400 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	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: JAN 2025 (247) 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-SB19B
Wirewound Resistor: Vertical Mount



TE Part # 1-1623728-2
BCHE 11 W 22K 5%

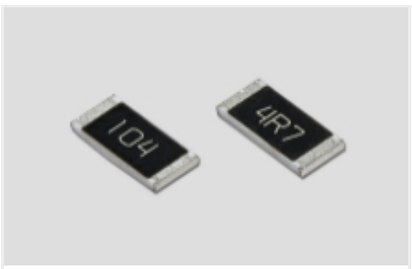


TE Part # 1623728-3
BCHE 11 W 10R 5%



TE Part # 2-1623728-2
BCHE 11 W 47R 5%

Also in the Series | CGS SBC



Surface Mount Resistors(1)

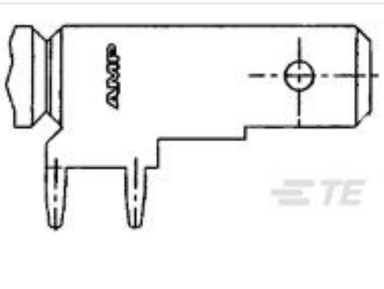


Through-Hole Resistors(212)

Customers Also Bought



TE Part #294645-E
SRCP 2,54 2 M 1 SMD 137 E1 094 * GU-H *



TE Part #1217754-1
250 FASTON,FLAG,PCB TAB,TNBR



TE Part #1-1393225-7
RY611005



TE Part #1-1393243-4
RTE24110



TE Part #1-1419104-7
T9AS1D22-12



TE Part #1623732-8
BCHE 7 W 15K 5%



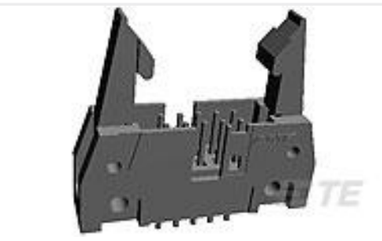
TE Part #1676282-3
RN 0805 2K0 0.1% 10PPM 5KRL



TE Part #2040305-1
INDUSTRIAL USB PLUG KIT BULK PACK STYLE



TE Part #1-2176186-8
CRGH1206 1% 3K3 0.5W



TE Part #5499160-1
A/L UNIV HDR 10P VERT SHT LAT

Documents

Product Drawings

BCHE 4 W 2R2 10%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1623730-3_BA.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1623730-3_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1623730-3_BA.2d_dxf.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 Resistor - Type SBC (Square Ceramic) Series - Tyco Electronics Passives

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English