# SBCHE42R2K ✔ ACTIVE

CGS | CGS SBC

TE Internal #: 1-1623730-3

Through-Hole Power Resistor, Wire Wound, 4 W, 2.2 ohm, 10 %, ±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 (166)

## Features

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 350 °C |
| Temperature Coefficient | ±400 ppm/°C |

### 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 |

### Packaging Features

| | |
|---|---|
| Packaging Method | Loose Piece - Box |

### Other

| | |
|---|---|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

## 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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

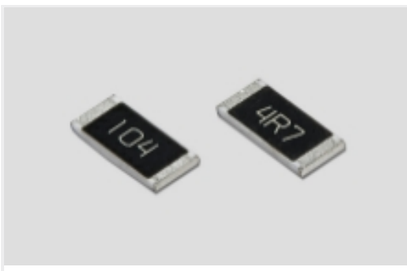


TE Part # CAT-C339-SB19B
Wirewound Resistor: Vertical Mount



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

## Also in the Series | CGS SBC




Surface Mount Resistors(1)

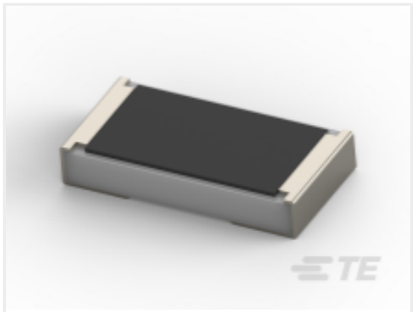


Through-Hole Resistors(212)

## Customers Also Bought




TE Part #8-2176070-3
3521 27K 1% 2W



TE Part #CAT-C339-A76B
SMD Power Resistor: 3 Watt, 1% Tol




TE Part #1-1622825-8
RL73K 3A R27 5% 1K RL



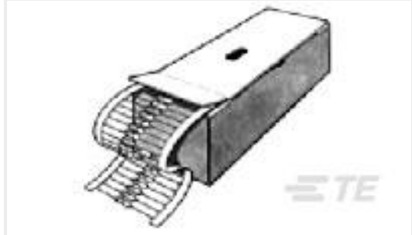
TE Part #4-1623732-6
BCHE 7 W 5R6 10%



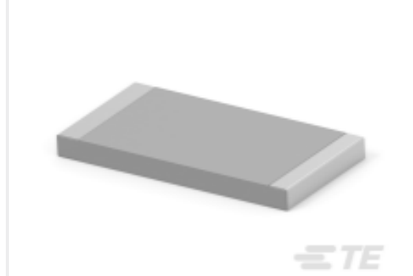
TE Part #1-1393243-4
RTE24110




TE Part #2-1879502-2
CRGH2512 5% 100K 2W



TE Part #1-2176084-0
EP 7W (S) 330R 5%



TE Part #5-2176331-2
CRGP 2512 180K 1%

## Documents

### Product Drawings

BCHE 4 W 2R2 10%

English

### Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

High Power Resistor - Type SBC (Square Ceramic) Series - Tyco Electronics Passives

English