SBCHE46K8J ✔ ACTIVE

CGS | CGS SBC

TE Internal #: 2-1623730-5

6.8K ohm, Wire Wound, Power Resistor, 5 %, 4 W, ±200 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

Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **4 W**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **6.8K Ω**

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	1kΩ – 1MΩ
Resistance Value	6.8K Ω
Passive Component Tolerance	5 %

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	±200 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: 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	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

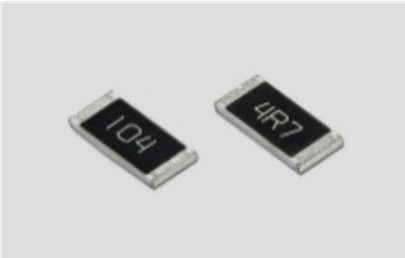
TE Part # 1623728-3
BCHE 11 W 10R 5%

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

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

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

Also in the Series | CGS SBC



Surface Mount Resistors(1)

Through-Hole Resistors(212)

Customers Also Bought

TE Part #0460-202-2031
PIN, SOLID, SIZE 20, 20AWG, AU

TE Part #WM-4P
WEDGE LOCK, 4P, REC, ORG, DTM

TE Part #DTM04-4P-E004
REC, 4P, BLK, N

TE Part #350825-1
03P UMNL HDR ASSY PC 94VO

TE Part #1-1623750-8
ER58 2K2 5% AMMO

TE Part #1623932-6
CFR50 5% 100R

TE Part #7-1625892-2
3W SM M/OX 5% 82K

TE Part #1-2176343-1
CRGCQ 1206 68R 1%

TE Part #4-2176414-2
7W STD M/OX 5% 1K0

TE Part #8709506001
DR-25-3/4-0-FAR-5M

Documents

Product Drawings

BCHE 4 W 6K8 5%

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1623730-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1623730-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1623730-5_BA.3d_stp.zip

English

3D PDF

3D

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