HBA68MFZRE ✔ ACTIVE

CGS | CGS HB

TE Internal #: 1-1625960-1

Through-Hole Resistors, High Value/High Voltage Resistor, 8 x 2.6 mm, 2 Termination, Loose Piece - Tray, 1 %, Thick Film, CGS HB

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Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **High Value/High Voltage Resistor**

Passive Component Dimensions: **8 x 2.6 mm**

Number of Terminations: **2**

Packaging Method: **Loose Piece - Tray**

Passive Component Tolerance: **1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	High Value/High Voltage Resistor
Element Type	Thick Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Voltage Rating	1000 V
Passive Component Tolerance	1 %
Resistance Class	1MΩ – 1GΩ
Resistance Value	68M Ω
Power Rating	.4 W

Body Features

Passive Component Lead Type	Radial-Leaded

Termination Features

Number of Terminations	2
Passive Component Termination Material Type	Tinned Copper Leads

Dimensions

Passive Component Dimensions	8 x 2.6 mm

Usage Conditions

Operating Temperature Range	-55 – 125 °C
Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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	Hand solderable with lead free solder

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 # 1625958-8
HB01RE 10M 1% 100PPM



TE Part # 1625958-4
HB01RE 100M 1% 100PPM



TE Part # 2-1625959-5
HB03RE 50M 1% 100PPM



TE Part # 1625960-1
HBA RE 100M 1% 100PPM



TE Part # 1625959-3
HB03RE 100M 1% 100PPM

Also in the Series | CGS HB



Through-Hole Resistors(51)

Customers Also Bought



TE Part #5-1625984-9
HSA50 470R 5%



TE Part #1625958-8
HB01RE 10M 1% 100PPM



TE Part #927995-1
TELFIX KONT F828172



TE Part #1676182-2
RN 0805 13K7 0.1% 10PPM 1KRL



TE Part #1624362-1
NTC0805 5% 470R

Documents

Product Drawings

HBA RE 68M 1% 100PPM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1625960-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1625960-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1625960-1_D.3d_stp.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 Value/High Voltage Resistors - Type HB Series

English