HB31M0FZRE ✔ ACTIVE

CGS | CGS HB

TE Internal #: 1625959-9

1M ohm, Thick Film, High Value/High Voltage Resistor, 1 %, 4 W, ±100 ppm/°C, Radial-Leaded, Copper Termination, 52 x 3 mm, Loose Piece - Tray, CGS HB

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors



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

Element Type: **Thick Film**

Power Rating: **4 W**

Resistance Class: **1MΩ – 1GΩ**

Resistance Value: **1M Ω**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	15000 V
Power Rating	4 W
Resistance Class	1MΩ – 1GΩ
Resistance Value	1M Ω
Passive Component Tolerance	1 %

Body Features

Lead Type	Radial-Leaded

Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	52 x 3 mm

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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	有害物质含量超出标准 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) SVHC > Threshold: Pb (5% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 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 # 2-1625959-5
HB03RE 50M 1% 100PPM



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



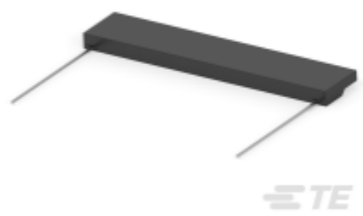
TE Part # 1625959-3
HB03RE 100M 1% 100PPM



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



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



TE Part # 1-1625959-3
HB03AE 200M 5% 100PPM

Also in the Series | CGS HB



Through-Hole Resistors(43)

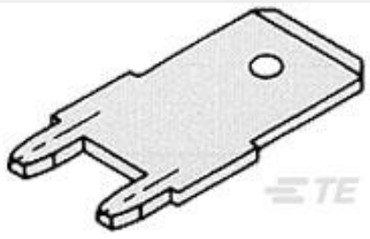
Customers Also Bought



TE Part #801407-SF
FN7562-200-M10



TE Part #L9000075-01
ANTENNA IND DIPOLE 2.4GHZ RG58 1M RPS



TE Part #63839-1
250 FASTON TAB TPBR



TE Part #2-382811-1
SHUNT, ECON, PHBRSN, BLACK



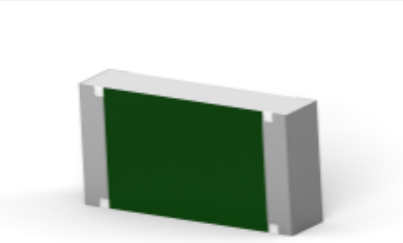
TE Part #735159
250 PIDG FF



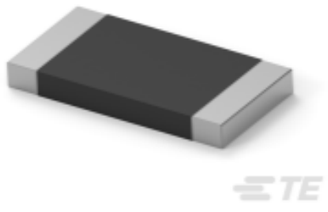
TE Part #1-1462038-7
IM07NS=IM RELAY 200mW 24V



TE Part #1-1625890-8
2W SM M/OX 5% 18K



TE Part #7-2176397-7
3502 1K5 1%



TE Part #5-2176421-1
TLRP 2512 2.0W R015 1% 50PPM 4K RL

TE Part #928205-4
4P TELFIX BU-GEH

Documents

Product Drawings

HB03RE 1M0 1% 100PPM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1625959-9_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1625959-9_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1625959-9_K.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