



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **High Value/High Voltage Resistor**  
Passive Component Dimensions: **52 x 3 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              | 15000 V   |
| Passive Component Tolerance | 1 %       |
| Resistance Class            | 1MΩ – 1GΩ |
| Resistance Value            | 1M 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 | 52 x 3 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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                     | 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 # 1625959-3  
HB03RE 100M 1% 100PPM

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

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

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

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

Also in the Series | CGS HB

Through-Hole Resistors(51)

Customers Also Bought

TE Part #T4110012051-000  
M12 F, 5P GOLD A\_CODE S SHIELDED PG9

TE Part #1-1825002-3  
ADF0804=DIP SWT,FLUSH,THRU/HL

TE Part #1-1337463-0  
BNC Plg Term 50Ohm Silver Pltd

TE Part #1-1625959-9  
HB03RE 30M 1% 100PPM

TE Part #1-215882-4  
14 WAY GREY MK II RECP

TE Part #1-1625958-5  
HB01RE 1M0 1% 100PPM

TE Part #1-1478966-0  
SMA B/HD SKT RCPT GSS

TE Part #1-1814655-5  
SIP IC Skt 20 SSR Sn/Au FLH RoHS



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

1309350\_PASSIVE\_COMPONENT

English

4-1773460-6\_RESISTIVE\_SOLUTIONS\_RAIL

English

High Value/High Voltage Resistors - Type HB Series

English