HB150MFZRE ✔ ACTIVE

CGS | CGS HB

TE Internal #: 3-1625958-7

50M ohm, Thick Film, High Value/High Voltage Resistor, 1 %, 2 W, ±100 ppm/°C, Radial-Leaded, Copper Termination, 26.5 x 3 mm, CGS HB

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Passive Components > Resistors > Through-Hole Resistors



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

Element Type: **Thick Film**

Power Rating: **2 W**

Resistance Class: **1MΩ – 1GΩ**

Resistance Value: **50M 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	7500 V
Power Rating	2 W
Resistance Class	1MΩ – 1GΩ
Resistance Value	50M 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	26.5 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	Out of Scope
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: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 1625960-1
HBA RE 100M 1% 100PPM



TE Part # 2-1625959-5
HB03RE 50M 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

Also in the Series | CGS HB

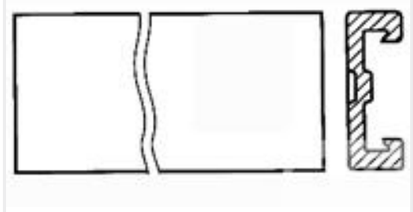


Through-Hole Resistors(43)

Customers Also Bought



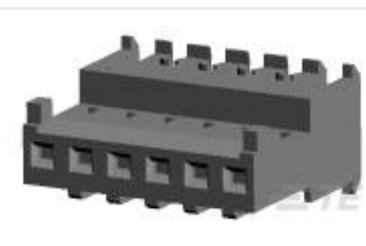
TE Part #170205-3
EIS CONTACT LP



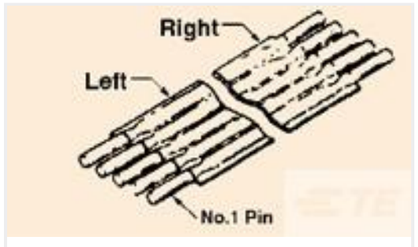
TE Part #640642-6
06P MTA100 COVER F/T



TE Part #3-641191-6
06P MTA100 CONN ASSY WHT LF



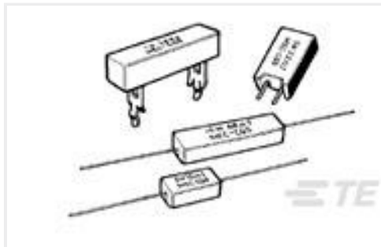
TE Part #3-644563-6
06P MTA100 CONN ASSY F/T 24AWG



TE Part #2-1474644-7
FSN-21A-4



TE Part #1623773-9
C10 15K 5% (LOOSE)



TE Part #1623788-5
SQM5 130R 5% (WIRE)



TE Part #1-1625958-2
HB01RE 1G0 1% 100PPM



TE Part #3-1625958-3
HB01RE 500K 1% 100PPM



TE Part #2-1879023-9
3650 1008 0.47uH 5% 2K RL

Documents

Product Drawings

HB01RE 50M 1% 100PPM

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-1625958-7_H1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_3-1625958-7_H1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1625958-7_H1.3d_igs.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 Value/High Voltage Resistors - Type HB Series

English