



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **High Value/High Voltage Resistor**  
Through-Hole Resistor Dimensions: **26.5 x 3 mm**  
Number of Terminations: **2**  
Through-Hole Resistor Packaging Method: **Loose Piece - Tray**  
Through-Hole Resistor 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
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Electrical Characteristics

Voltage Rating	7500 V
Through-Hole Resistor Tolerance	1%
Resistance Class	1MΩ – 1GΩ
Through-Hole Resistor Resistance	500M Ω
Through-Hole Resistor Power Rating	2 W

Termination Features

Number of Terminations	2
Through-Hole Resistor Termination Type	Tinned Copper Leads

Mechanical Attachment

Through-Hole Resistor Mount Style	Radial-Leaded
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Dimensions

Through-Hole Resistor Dimensions	26.5 x 3 mm
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Usage Conditions

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

Packaging Features

Through-Hole Resistor Packaging Method	Loose Piece - Tray
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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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) 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 Model / Part # 2-1625959-5  
HB03RE 50M 1% 100PPM

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

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

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

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

Also in the Series | CGS HB

Through-Hole Resistors(51)

Customers Also Bought

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

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

TE Model / Part #1625856-5  
RH73 2A 30M 10% 100PPM

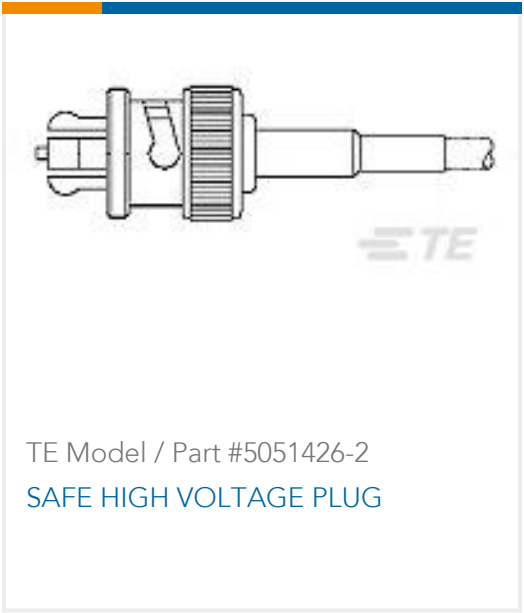
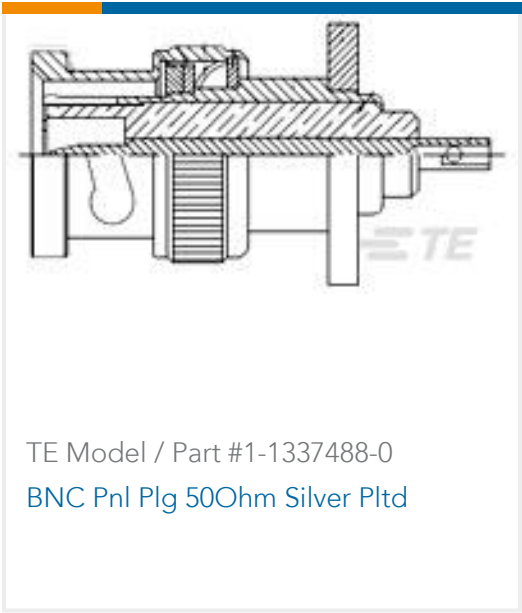
TE Model / Part #3-1625958-7  
HB01RE 50M 1% 100PPM

TE Model / Part #1625862-1  
RH73 2A 10G 30% 1000PPM

TE Model / Part #1625856-2  
RH73 2A 100M 10% 100PPM

TE Model / Part #11028414-00  
PIEZOELECTRIC POLYMER  
VIBRATION SENSOR

TE Model / Part #1-1478963-0  
SMA PNL SKT RCPT, 2/FLNG GSS



Documents

Product Drawings

HB01RE 500M 1% 100PPM

English

Datasheets & Catalog Pages

1309350\_PASSIVE\_COMPONENT

English

4-1773460-6\_RESISTIVE\_SOLUTIONS\_RAIL

English

High Value/High Voltage Resistors - Type HB Series

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