



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
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Electrical Characteristics

Voltage Rating	15000 V
Passive Component Tolerance	1 %
Resistance Class	1MΩ – 1GΩ
Resistance Value	100M Ω
Power Rating	4 W

Body Features

Passive Component Lead Type	Radial-Leaded
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Termination Features

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

Dimensions

Passive Component Dimensions	52 x 3 mm
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Usage Conditions

Operating Temperature Range	-55 – 125 °C
Temperature Coefficient	±50 ppm/°C

Packaging Features

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 #1825537-2
MRJE2604

TE Part #1623426-1
CRG1206 1% 150K

TE Part #1623728-7
Wirewound Resistor: Vertical Mount

TE Part #1929494001
RNF-3000 Single Wall Spool HS Tubing

TE Part #1462039-5
Standard Signal Relay 2 Form C,2 CO Cont

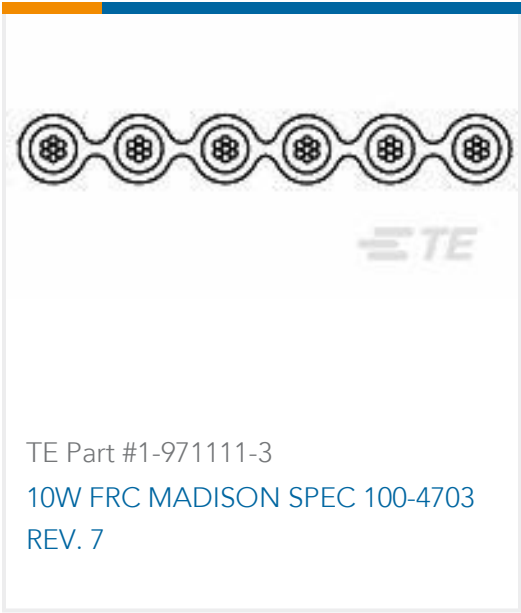
TE Part #1658525-6
622-1053LF, PCB IDC, LEAD FREE

TE Part #1634202-1
PRGSA1-16F-BB000

TE Part #1887202-1
XT424LC4

HB3100MFCRE

CGS HB, Through-Hole Resistors, High Value/High Voltage Resistor, 52 x 3 mm, 2 Termination, Loose Piece - Tray, 1 Passive Component Tolerance



Documents

Product Drawings

HB03RE 100M 1% 50PPM

English

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

High Value/High Voltage Resistors - Type HB Series

English