



Passive Components > Resistors > Surface Mount Resistors



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

Element Type: **Thick Film**

Package Size Code: **0805**

Power Rating: **.125 W**

Resistance Value: **50G Ω**

Features

Product Type Features

Resistor Type	High Value/High Voltage Resistor
Element Type	Thick Film
Package Size Code	0805

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	100 V
Power Rating	.125 W
Resistance Value	50G Ω
Resistance Class	1G Ω & Up
Passive Component Tolerance	30 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.4 mm[.016 in]
Product Length	2 mm[.079 in]
Product Width	1.2 mm[.047 in]



Usage Conditions

Temperature Coefficient	± 1000 ppm/ $^{\circ}\text{C}$
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Packaging Features

Packaging Method	Taped & Reeled
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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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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	Reflow solder capable to 260 $^{\circ}\text{C}$

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 # 1625856-2 RH73 2A 100M 10% 100PPM 1K RL	 TE Part # 1625861-3 RH73 2A 1G 30% 500PPM 1K RL	 TE Part # 1625862-1 RH73 2A 10G 30% 1000PPM 1K RL	 TE Part # 1625856-8 RH73 2A 50M 10% 100PPM 1K RL
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RH73X2A50GNTN

High Value/High Voltage Resistor, Thick Film, 0805, .125 W, 50G Ω , 30 %, ± 1000 ppm / $^{\circ}\text{C}$, Solder, 2 Termination, Height .016 in [.4 mm], CGS RH73



 TE Part # 1625856-4 RH73 2A 20M 10% 100PPM 1K RL	 TE Part # 1625861-5 RH73 2A 500M 30% 500PPM 1K RL	 TE Part # 1625856-3 RH73 2A 15M 10% 100PPM 1K RL	 TE Part # 1625856-5 RH73 2A 30M 10% 100PPM 1K RL
 TE Part # 1625856-6 RH73 2A 40M 10% 100PPM 1K RL	 TE Part # 1625861-6 RH73 2A 5G 30% 500PPM 1K RL	 TE Part # 1625857-3 RH73 2B 15M 20% 100PPM 1K RL	 TE Part # 1625857-5 RH73 2B 30M 20% 100PPM 1K RL
 TE Part # 1625861-9 RH73 2A 50M 20% 500PPM 1K RL	 TE Part # 1625862-2 RH73 2A 20G 30% 1000PPM 1K RL	 TE Part # 1625855-2 RH73 1J 100M 5% 100PPM 1K RL	 TE Part # 1625856-7 RH73 2A 50M 5% 100PPM 1K RL
 TE Part # 1625857-4 RH73 2B 50M 20% 100PPM 1K RL	 TE Part # 1625860-4 RH73 2B 1G0 5% 250PPM 1K RL	 TE Part # 1625862-3 RH73 2A 33G 10% 1000PPM 1K RL	 TE Part # 1625862-8 RH73 2B 10G 10% 1000PPM 1K RL

Also in the Series | CGS RH73



Surface Mount Resistors(34)

Customers Also Bought





TE Part # 6-6609107-5
PS0S0DS6A=C1141



TE Part # 5050863-5
SOCKET,MIN-SPR SN-AU SER-2



TE Part # 1625861-3
RH73 2A 1G 30% 500PPM 1K RL



TE Part # 4-1625890-3
2W SM M/OX 5% 33R



TE Part # 1625856-3
RH73 2A 15M 10% 100PPM 1K RL



TE Part # 5-2176343-6
CRGCQ 1206 390K 1%



TE Part # 2176347-4
CRGCQ 2010 18R 1%

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1625862-4_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1625862-4_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1625862-4_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English