

H86K81BYA

✓ ACTIVE

Holsworthy | Holsworthy Holco

TE Internal #: 7-1879664-5

6.81K ohm, Through-Hole Precision Resistor, Thin Film, .25 W, .1 %, ±15 ppm/°C, Axial-Leaded, Copper Termination, 7.2 x 2.5 mm, Holsworthy Holco

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Passive Components > Resistors > Through-Hole Resistors



Resistance Value: **6.81K Ω**
Resistor Type: **Precision Resistor**
Element Type: **Thin Film**
Power Rating: **.25 W**
Resistance Class: **1k Ω – 1M Ω**

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	350 V
Resistance Value	6.81K Ω
Power Rating	.25 W
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	.1 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	7.2 x 2.5 mm
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Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±15 ppm/°C

Packaging Features

Packaging Method	Bandoliered
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Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	Wave solder capable to 265°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

H86K81BYA

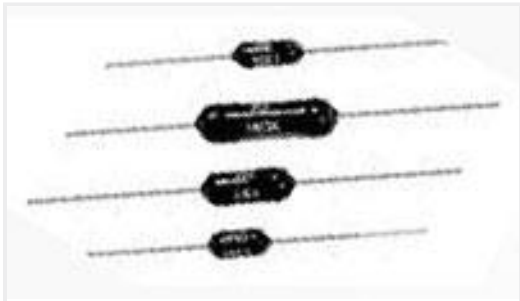
6.81K ohm, Through-Hole Precision Resistor, Thin Film, .25 W, .1 %, ±15 ppm/°C, Axial-Leaded, Copper Termination, 7.2 x 2.5 mm, Holsworthy Holco



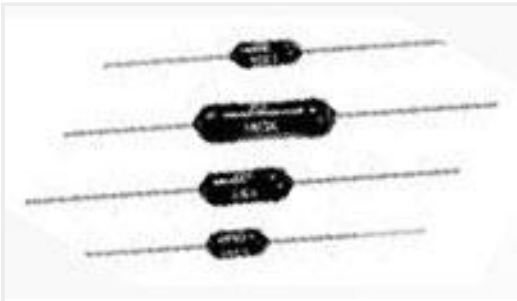
TE Part # 1879629-8
[H4P 127R 0.5% 5PPM](#)



TE Part # 1879623-8
[H4 1K3 0.1% 5PPM](#)



TE Part # 2-1879622-2
[H4P 1M0 1% 50PPM](#)



TE Part # 9-1879664-1
[H8 10K 0.1% 15PPM](#)



TE Part # 5-1879642-1
[H8 5K0 0.1% 25PPM](#)

Also in the Series | [Holsworthy Holco](#)



[Through-Hole Resistors\(6370\)](#)

Customers Also Bought



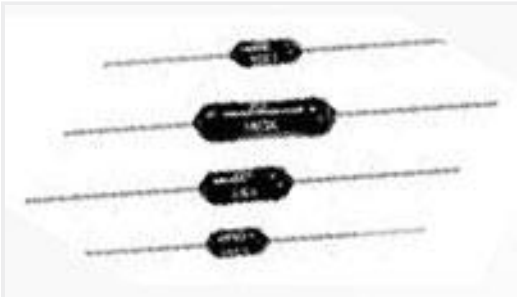
TE Part #1622555-1
[LR1 1% 6K8](#)



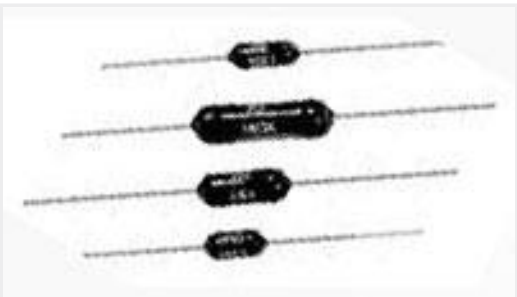
TE Part #1622407-1
[LR1 1% 27K](#)



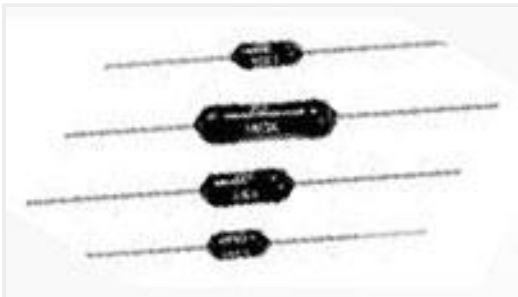
TE Part #1622467-1
[LR1 1% 3K9](#)



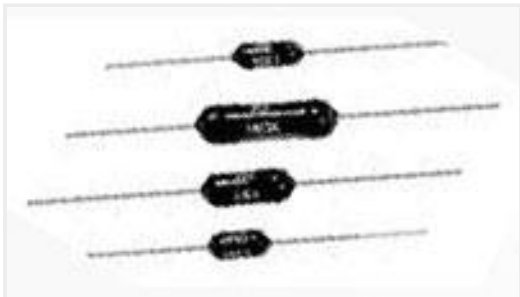
TE Part #6-1879664-2
[H8 4K99 0.1% 15PPM](#)



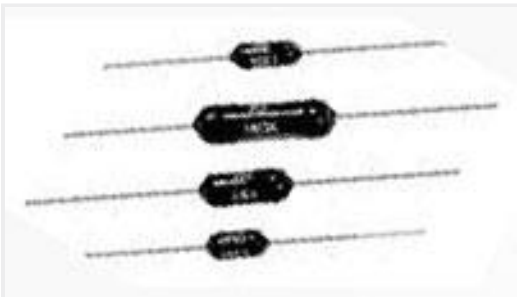
TE Part #9-1879664-0
[H8 9K76 0.1% 15PPM](#)



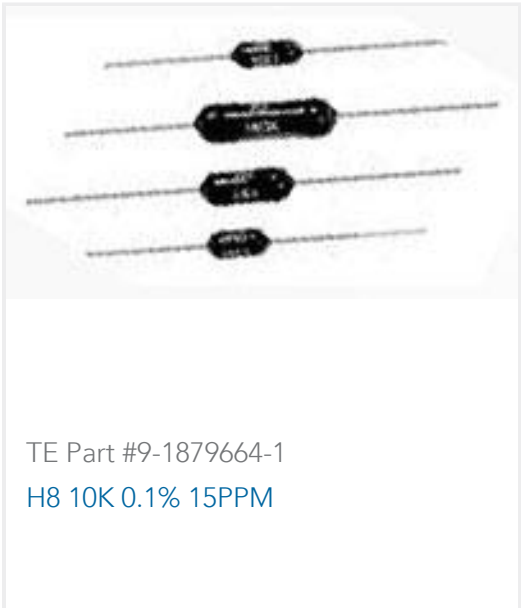
TE Part #6-1879642-9
[H8 47K 0.1% 15PPM](#)



TE Part #2-1879665-0
[H8 19K6 0.1% 15PPM](#)



TE Part #5-1879665-7
[H8 47K5 0.1% 15PPM](#)



Documents

Product Drawings

H8 6K81 0.1% 15PPM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-1879664-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-1879664-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-1879664-5_BA.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

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

Axial Leaded Precision Resistors - Type HOLCO Series

English