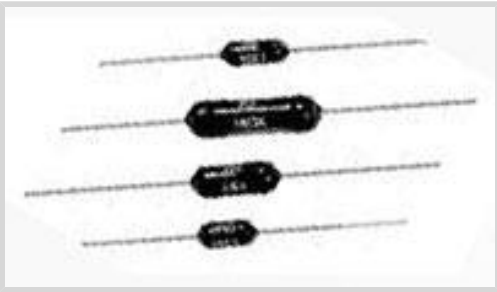




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Precision Resistor**  
Element Type: **Thin Film**  
Power Rating: **.25 W**  
Resistance Class: **Up to 1k $\Omega$**   
Resistance Value: **221  $\Omega$**

Features

Product Type Features

|               |                    |
|---------------|--------------------|
| Resistor Type | Precision Resistor |
| Element Type  | Thin Film          |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

|                             |                   |
|-----------------------------|-------------------|
| Operating Voltage           | 350 V             |
| Power Rating                | .25 W             |
| Resistance Class            | Up to 1k $\Omega$ |
| Resistance Value            | 221 $\Omega$      |
| Passive Component Tolerance | .1 %              |

Body Features

|           |              |
|-----------|--------------|
| Lead Type | Axial-Leaded |
|-----------|--------------|

Termination Features

|                                |        |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
| Number of Terminations         | 2      |

Dimensions

|                              |              |
|------------------------------|--------------|
| Passive Component Dimensions | 7.2 x 2.5 mm |
|------------------------------|--------------|



Usage Conditions

|                             |                                  |
|-----------------------------|----------------------------------|
| Operating Temperature Range | -55 - 155 $^{\circ}\text{C}$     |
| Temperature Coefficient     | $\pm 15$ ppm/ $^{\circ}\text{C}$ |

Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Bandoliered |
|------------------|-------------|

Product Compliance

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

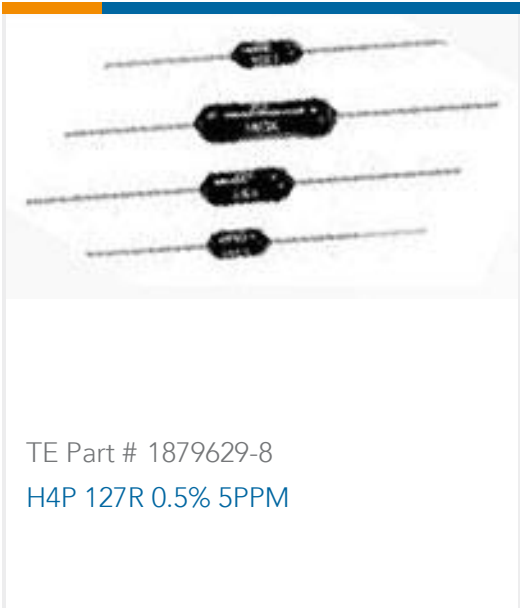
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (240)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                          |
| Solder Process Capability                     | Wave solder capable to 265 $^{\circ}\text{C}$                                                                                 |

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

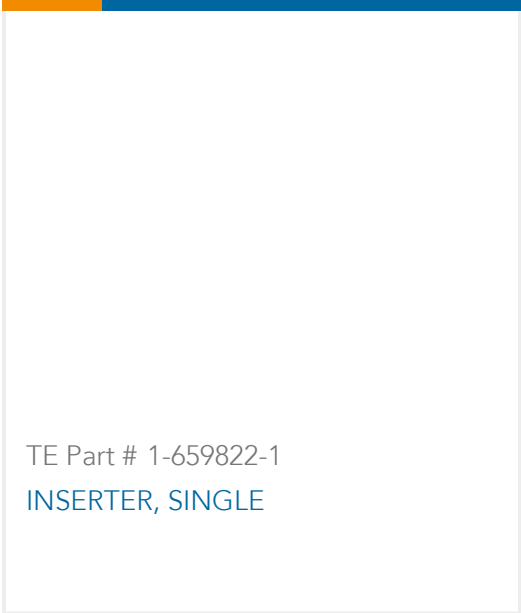
|                                                |                                             |                                               |                                                |
|------------------------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|
| <br>TE Part # 9-1879664-1<br>H8 10K 0.1% 15PPM | <br>TE Part # 1879623-8<br>H4 1K3 0.1% 5PPM | <br>TE Part # 2-1879622-2<br>H4P 1M0 1% 50PPM | <br>TE Part # 5-1879642-1<br>H8 5K0 0.1% 25PPM |
|------------------------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|



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H8221RBYA

Precision Resistor, Thin Film, .25 W, 221  $\Omega$ , .1 %,  $\pm 15$  ppm/ $^{\circ}$ C, Axial-Leaded, Copper Termination, 7.2 x 2.5 mm, Bandoliered, Holsworthy Holco



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