

Passive Components &gt; Resistors &gt; Surface Mount Resistors

Resistor Type: **General Purpose Resistor**Element Type: **Thick Film**Package Size Code: **2010**Power Rating: **1.25 W**Resistance Value: **82  $\Omega$** 

## Features

### Electrical Characteristics

Operating Voltage	400 V
Power Rating	1.25 W
Resistance Value	82 $\Omega$
Resistance Class	Up to 1k $\Omega$
Passive Component Tolerance	1 %

### Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	2010

### Configuration Features

Number of Resistors	1
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### Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

### Dimensions

Product Height	.55 mm [.022 in]
Product Length	5 mm [.197 in]
Product Width	2.5 mm [.098 in]

### Usage Conditions

Temperature Coefficient	$\pm 100$ ppm/ $^{\circ}\text{C}$
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### Packaging Features

Packaging Method	Taped & Reeled
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### Other

EU RoHS Compliance	Compliant with Exemptions
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EU ELV Compliance	Compliant with Exemptions
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)
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Candidate List Declared Against: JUNE 2023 (235)

Does not contain REACH SVHC

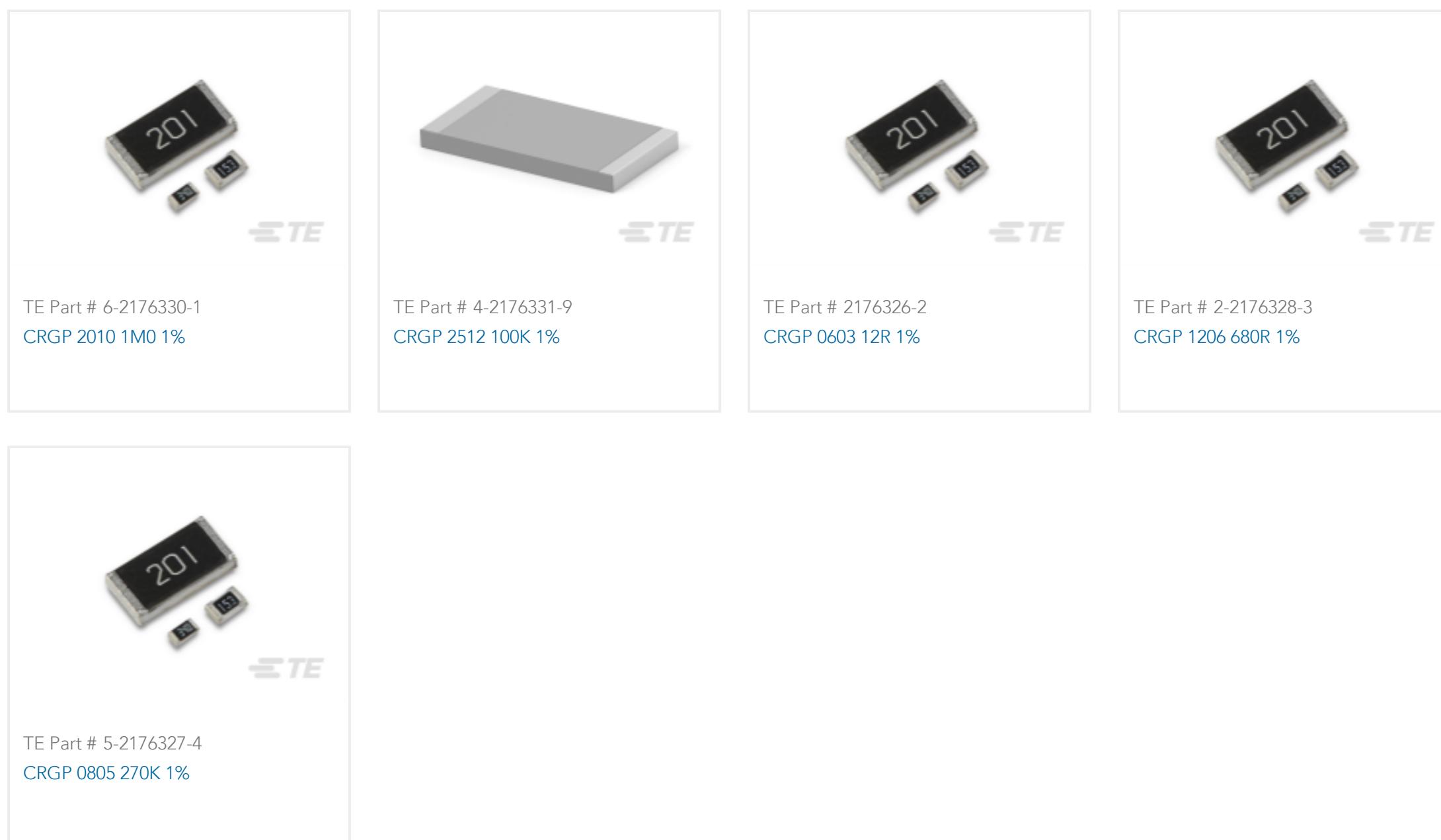
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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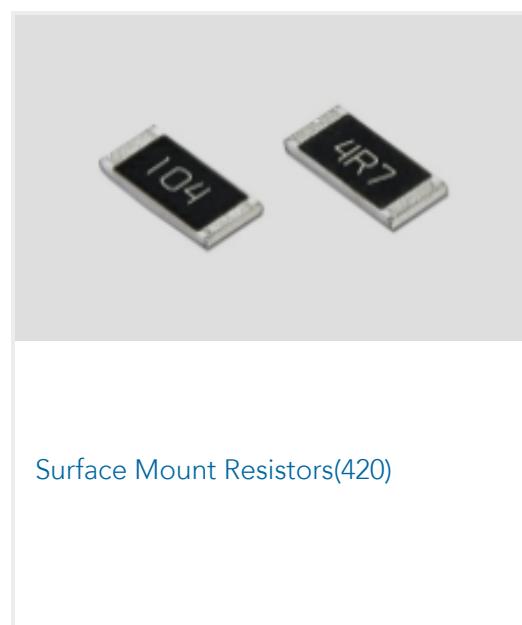
#### Product Compliance Disclaimer

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>

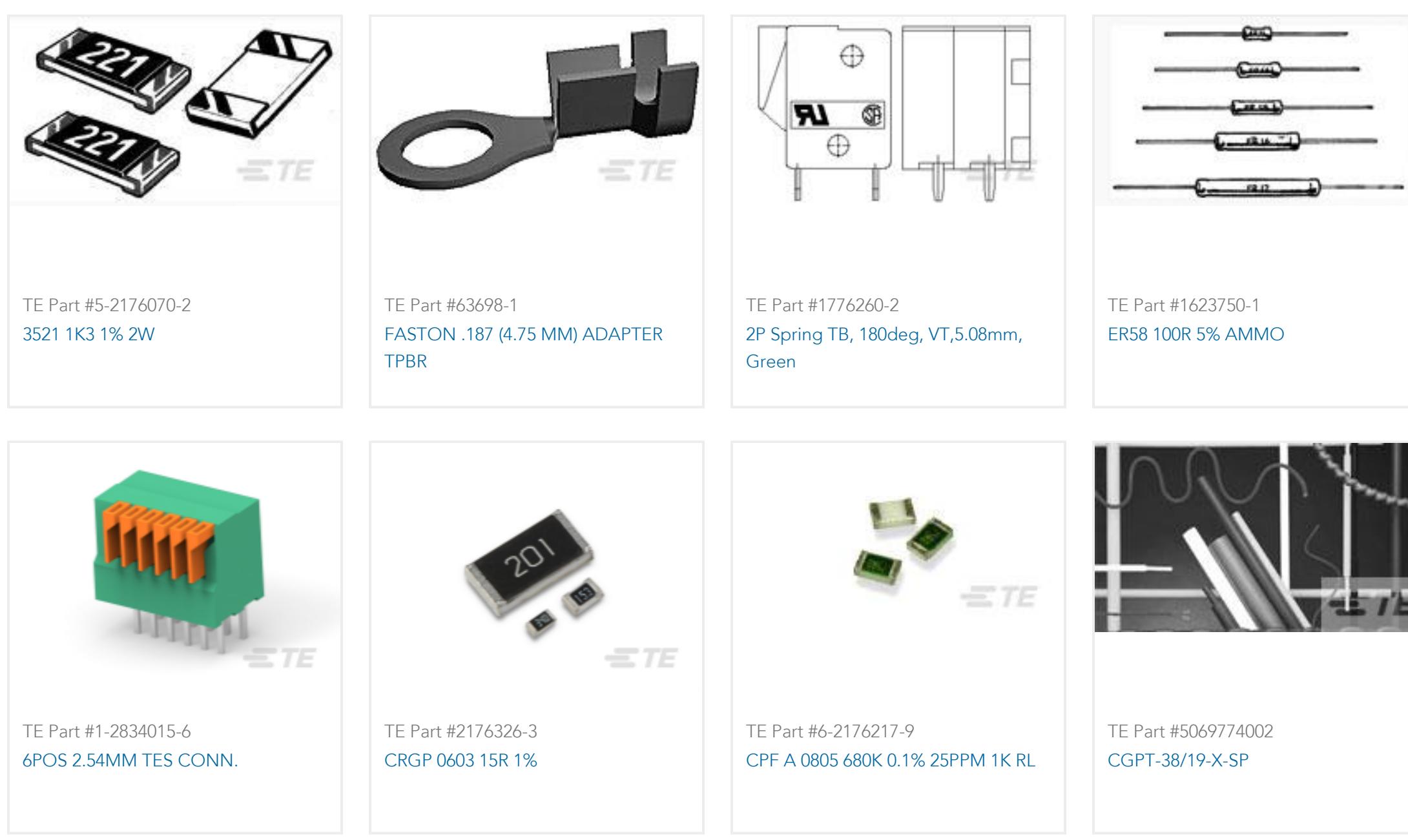
### Compatible Parts

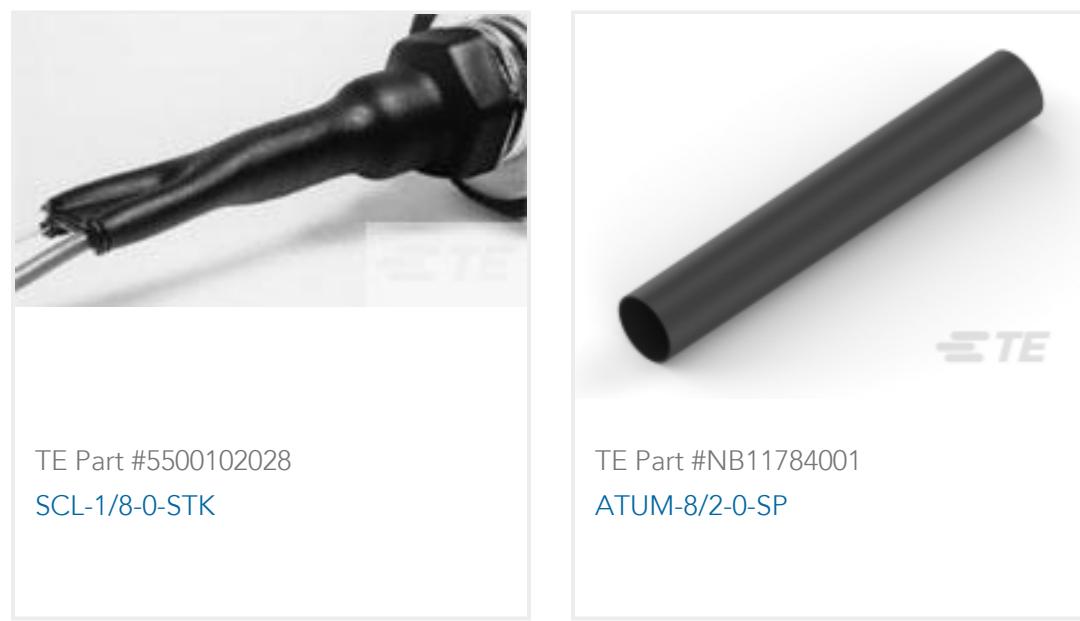


## Also in the Series | [Neohm CRGP](#)



## Customers Also Bought





## Documents

### Product Drawings

#### CRGP 2010 82R 1%

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176330-2\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176330-2\\_BA.3d\\_jgs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176330-2\\_BA.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

#### CRGP Data Sheet

English