



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **11 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **220 Ω**

Features

Product Type Features

|               |                |
|---------------|----------------|
| Resistor Type | Power Resistor |
| Element Type  | Wire Wound     |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Power Rating                | 11 W      |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | 220 Ω     |
| Passive Component Tolerance | 5 %       |

Body Features

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

Termination Features

|                                |        |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
|--------------------------------|--------|



Number of Terminations2

Dimensions

|                              |                |
|------------------------------|----------------|
| Passive Component Dimensions | 50 x 10 x 9 mm |
|------------------------------|----------------|

Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -55 – 350 °C |
| Temperature Coefficient     | ±200 ppm/°C  |

Packaging Features

|                  |                   |
|------------------|-------------------|
| Packaging Method | Loose Piece - Box |
|------------------|-------------------|

Product Compliance

For compliance documentation, visit the product page on TE.com>

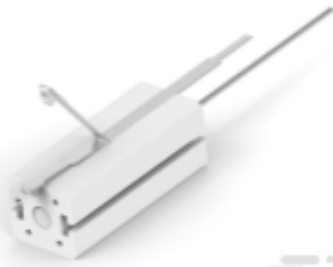
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

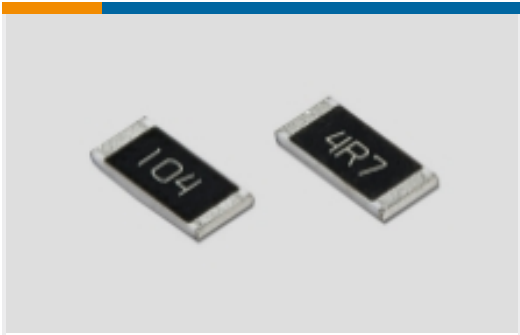
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



|                                                                                                                                                          |                                                                                                                                                               |                                                                                                                                                              |                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-C339-SB19B<br/>Wirewound Resistor: Vertical Mount</p> |  <p>TE Part # CAT-C339-SB19<br/>Wirewound Resistor: Axial Mount, 17 Watt</p> |  <p>TE Part # CAT-C339-SB19A<br/>Wirewound Resistor: Vertical Fusible</p> |  <p>TE Part # 1623728-1<br/>BCHE 11 W 100R 5%</p>     |
|  <p>TE Part # 1623728-7<br/>BCHE 11 W 1K0 5%</p>                       |  <p>TE Part # 1-1623728-3<br/>BCHE 11 W 22R 5%</p>                          |  <p>TE Part # 1-1623728-0<br/>BCHE 11 W 1R5 10%</p>                      |  <p>TE Part # 1623728-5<br/>BCHE 11 W 15K 5%</p>     |
|  <p>TE Part # 1623728-6<br/>BCHE 11 W 15R 5%</p>                      |  <p>TE Part # 1623728-8<br/>BCHE 11 W 1K5 5%</p>                           |  <p>TE Part # 1-1623728-5<br/>BCHE 11 W 2R2 10%</p>                     |  <p>TE Part # 1-1623728-8<br/>BCHE 11 W 3K3 5%</p>  |
|  <p>TE Part # 2-1623728-4<br/>BCHE 11 W 4R7 10%</p>                   |  <p>TE Part # 1623728-2<br/>BCHE 11 W 10K 5%</p>                           |  <p>TE Part # 1623728-9<br/>BCHE 11 W 1R0 10%</p>                       |  <p>TE Part # 3-1623728-6<br/>BCHE 11 W 1R2 10%</p> |
|  <p>TE Part # 1-1623728-2<br/>BCHE 11 W 22K 5%</p>                    |  <p>TE Part # 1-1623728-4<br/>BCHE 11 W 2K2 5%</p>                         |  <p>TE Part # 1-1623728-6<br/>BCHE 11 W 330R 5%</p>                     |  <p>TE Part # 1-1623728-7<br/>BCHE 11 W 33R 5%</p>  |

Also in the Series | CGS SBC



Surface Mount Resistors(1)



Through-Hole Resistors(212)

Customers Also Bought



TE Part #328999  
TERMINAL,PIDG R 16-14 3/8



TE Part #3-643814-7  
07P MTA100 CONN ASSY POL RIB



TE Part #2-1623729-2  
Wirewound Resistor: Vertical Mount



TE Part #1-1625999-1  
HSC100 1K2 5%



TE Part #4-2176347-3  
CRGCQ 2010 33K 1%



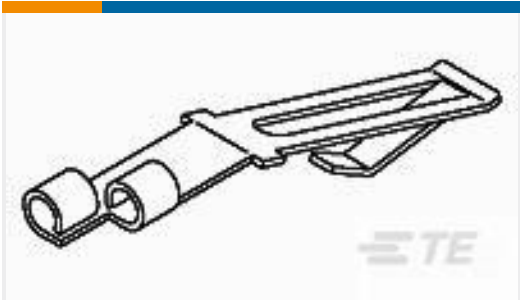
TE Part #45499  
DAHT AMP SOLISSTRAND 16-14 ASSY



TE Part #640907-1  
RECEPT,PIDG FASTON 12-10 250



TE Part #2178474-2  
3POS UMNL CAP HSG V0 GW



TE Part #50271  
FLAG RELAY, SPECIAL-RR 16-14

Documents

Product Drawings

BCHE 11 W 220R 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1623728-1\_BA.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1623728-1\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1623728-1\\_BA.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[4-1773460-6\\_RESISTIVE\\_SOLUTIONS\\_RAIL](#)

English

[1309350\\_PASSIVE\\_COMPONENT](#)

English

[8-1773459-4\\_POWER\\_FILTERING\\_AND\\_RESISTIVE\\_SOLUTIONS\\_FOR\\_ELEVATORS\\_AND\\_ESCALATORS](#)

English

[High Power Resistor - Type SBC \(Square Ceramic\) Series - Tyco Electronics Passives](#)

English