EP5WS680RJ ✔ ACTIVE

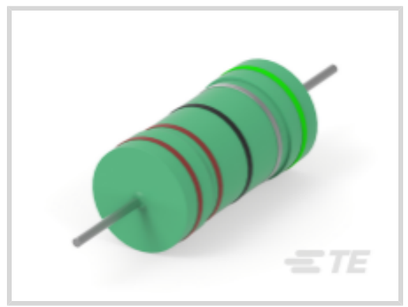
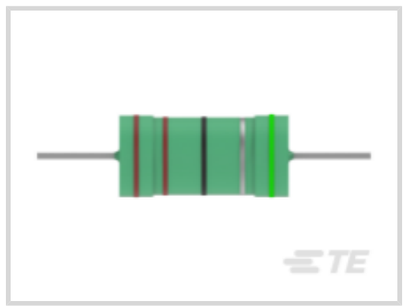
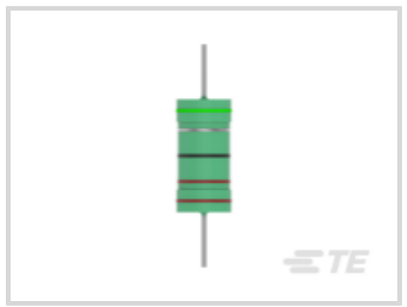
NEOHM | NEOHM EP

TE Internal #: 1-2176083-2

680 ohm, Ceramic Composition / Wire Wound, Power Resistor, 5 %, 5 W, ±300 ppm/°C, Axial-Leaded, Copper Termination, 17.5 x 6.5 mm, NEOHM EP

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Ceramic Composition, Wire Wound**

Power Rating: **5 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **680 Ω**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Ceramic Composition, Wire Wound

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	500 V
Power Rating	5 W
Resistance Class	Up to 1kΩ
Resistance Value	680 Ω
Passive Component Tolerance	5 %

Body Features

Lead Type	Axial-Leaded

Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	17.5 x 6.5 mm

Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °F]
Temperature Coefficient	±300 ppm/°C

Packaging Features

Packaging Method	Ammo Packed

Product Compliance

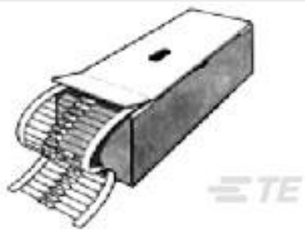
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

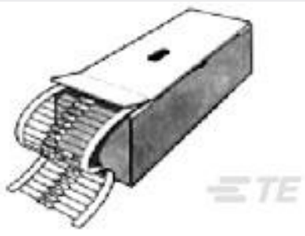
Product Compliance Disclaimer

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

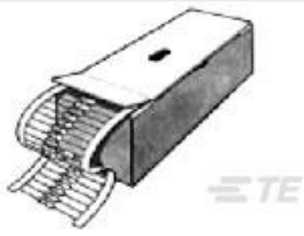
Compatible Parts



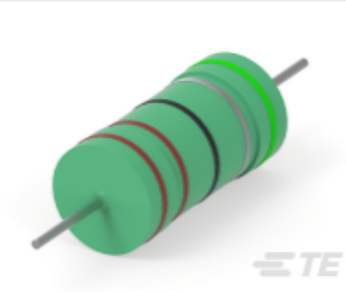
TE Part # 2176081-7
EP 1W (S) 100R 5%



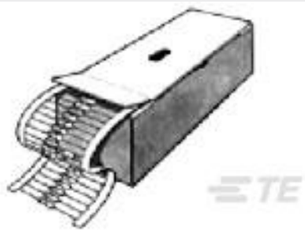
TE Part # 1-2176045-3
EP 5W 680R 5%



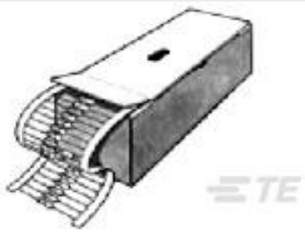
TE Part # 2176079-5
EP 3W 47R 5%



TE Part # 2176083-1
EP 5W (S) 10R 5%



TE Part # 2176084-7
EP 7W (S) 100R 5%



TE Part # 2176085-7
EP 9W (S) 100R 5%

Also in the Series | NEOHM EP

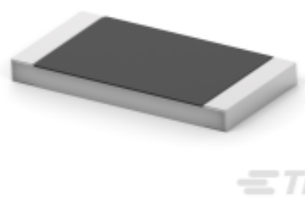


Through-Hole Resistors(607)

Customers Also Bought



TE Part #CB03374007
RW-200-E-1/2-0-SP



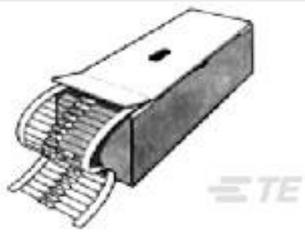
TE Part #CAT-C339-A76
SMD Power Resistor: 1 Watt, 3520 Series



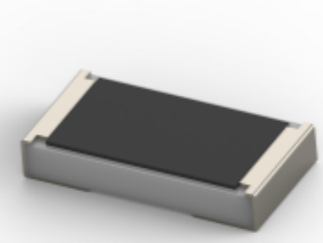
TE Part #1623728-3
BCHE 11 W 10R 5%



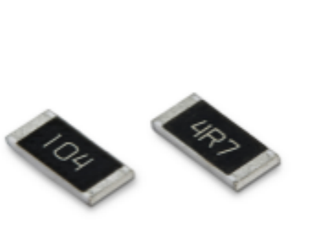
TE Part #2-1623728-9
BCHE SBCHE 11 6R8 5%



TE Part #1-2176083-0
EP 5W (S) 330R 5%



TE Part #CAT-C339-A76B
SMD Power Resistor: 3 Watt, 1% Tol



TE Part #2176455-8
CPF 0402 4R99 0.1% 25ppm 1K RL

Documents

Product Drawings

EP 5W (S) 680R 5%

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-2176083-2_BA1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176083-2_BA1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176083-2_BA1.3d_stp.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

Wirewound Anti Surge Resistors - Type EP Series

English