# EP5WS220RJ ✔ ACTIVE

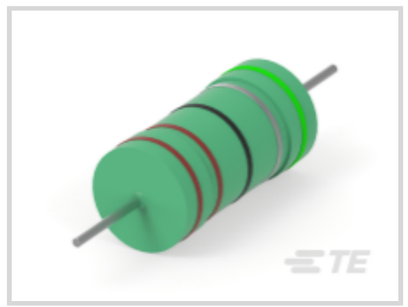
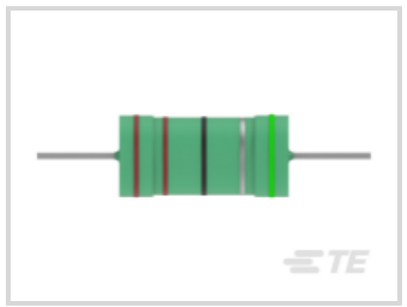
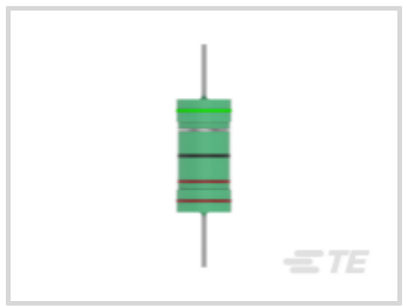
NEOHM | NEOHM EP

TE Internal #: 2176083-9

220 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: **220 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 | 220 Ω |
| Passive Component Tolerance | 5 % |

### Body Features

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

### Termination Features

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

### Dimensions

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|---|---|
| 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

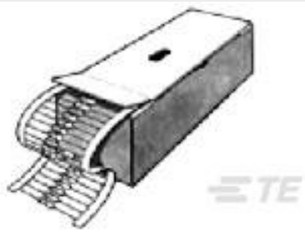
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 |

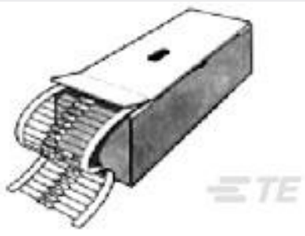
Product Compliance Disclaimer

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

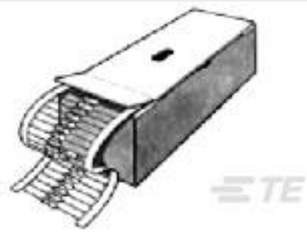
## Compatible Parts



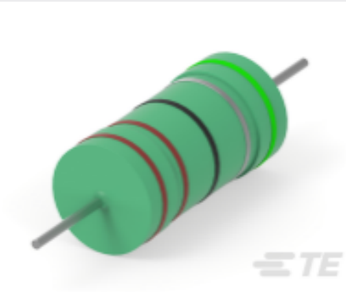
TE Part # 2176081-7
EP 1W (S) 100R 5%



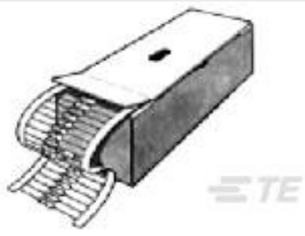
TE Part # 2176079-5
EP 3W 47R 5%



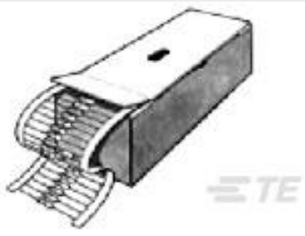
TE Part # 1-2176045-0
EP 5W 220R 5%



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

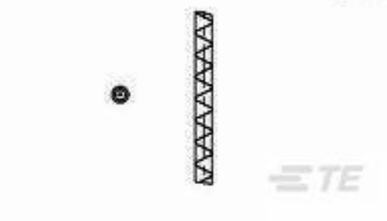


Through-Hole Resistors(607)

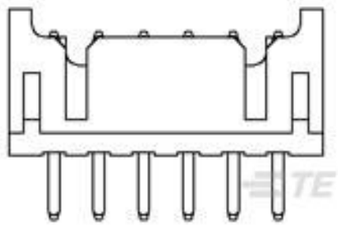
## Customers Also Bought



TE Part #85033-1
250 P.LOCK REC



TE Part #142830-2
TUBING SPIRAP DIA 6 NAT 30 METERS



TE Part #1470109-6
2.0mm Pitch Header,Dip 6p



TE Part #1623769-1
23E 2K2A 6X50PL B9 M10



TE Part #1-2176250-5
TJT 500W 220R 5%



TE Part #2-2176610-5
EP 1W (SS) 10R 5%



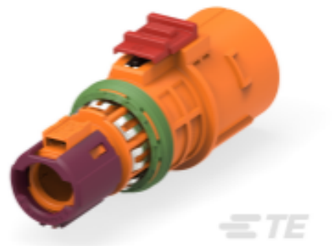
TE Part #7-2213766-5
AV19 DPL 3A POWER LED GREEN 24V



TE Part #2394085-4
Pre-ASSY,Finger Access,Code D



TE Part #2394113-1
H&S 35mm, Cable cover



TE Part #2399663-4
Pre-ASSY,Finger Access,Code D

## Documents

### Product Drawings

EP 5W (S) 220R 5%

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176083-9_BA1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176083-9_BA1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176083-9_BA1.3d_stp.zip

English

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