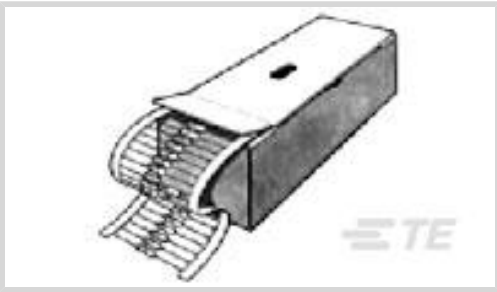




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **53 x 8.5 mm**

Number of Terminations: **2**

Packaging Method: **Loose Piece - Box**

Passive Component Tolerance: **5 %**

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             |
| Passive Component Tolerance | 5 %               |
| Resistance Class            | Up to 1k $\Omega$ |
| Resistance Value            | 33 $\Omega$       |
| Power Rating                | 9 W               |

Body Features

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

Termination Features

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

Dimensions

|                              |             |
|------------------------------|-------------|
| Passive Component Dimensions | 53 x 8.5 mm |
|------------------------------|-------------|



Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -55 – 155 °C |
| Temperature Coefficient     | ±300 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 2023 (235)<br>Candidate List Declared Against: JUL 2021 (219)<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



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

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

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

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

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

TE Part # 2176085-4  
EP 9W (S) 33R 5%

Also in the Series | **Neohm EP**

Surface Mount Resistors(1)

Through-Hole Resistors(635)

Customers Also Bought

TE Part #5748676-5  
DIE CAST CBL CLMP KIT,SZ 5

TE Part #0641-1-2031L  
CONT PIN

TE Part #103906-6  
07 MTE HDR SRRA LATCH .100CL

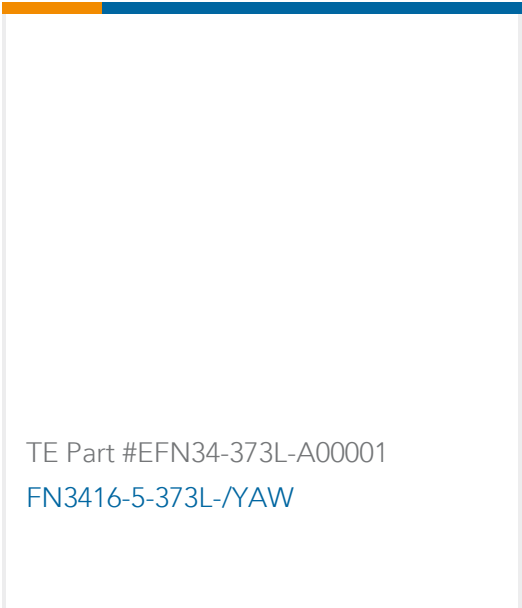
TE Part #4-2176416-2  
9W STD M/OX 5% 2K7

TE Part #2-2176416-0  
9W STD M/OX 5% 330R

TE Part #ZPF000000000008202  
983-6KE 10-05 SN

TE Part #EFN34-318L-A00001  
FN3416-5-318L-/PITCH

TE Part #EFN34-330L-A00001  
FN3416-5-330L-/ROLL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2176080-4\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176080-4\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176080-4\_BA.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