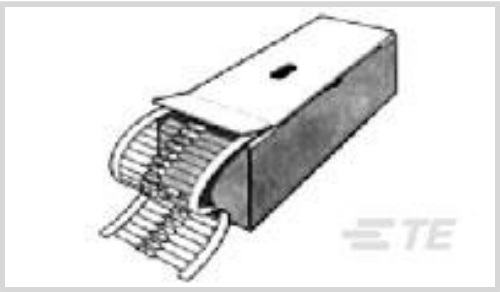




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**  
Element Type: **Wire Wound, Ceramic Composition**  
Power Rating: **3 W**  
Resistance Class: **Up to 1kΩ**  
Resistance Value: **10 Ω**

Features

Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±400 ppm/°C

Electrical Characteristics

Operating Voltage	500 V
Power Rating	3 W
Resistance Class	Up to 1kΩ
Resistance Value	10 Ω
Passive Component Tolerance	5 %

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound, Ceramic Composition

Configuration Features

Number of Resistors	1
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Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Area Base Material	Copper
Number of Terminations	2



Dimensions

Passive Component Dimensions	17.5 x 6.5 mm
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Packaging Features

Packaging Method	Ammo Packed
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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) Candidate List Declared Against: JUL 2021 (219) 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	Not reviewed for solder process capability

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

EP3W10RJ

Through-Hole Power Resistor, Ceramic Composition / Wire Wound, 3 W, 10 ohm, 5 %, ±400 ppm/°C, Axial-Leaded, Copper Termination, Neohm EP



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

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

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

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

TE Part # 2176082-1  
EP 3W (S) 10R 5%

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

Also in the Series | **Neohm EP**

Through-Hole Resistors(607)

Customers Also Bought

TE Part #5645980-1  
MSS LOOSE PIECE 5.5 TIN TIN

TE Part #1825027-8  
FSMRA3JH04=R/A,TACT PB SW,160G

TE Part #1-1734264-1  
M/J,RJ45,Side entry,8P8C,R/A,1

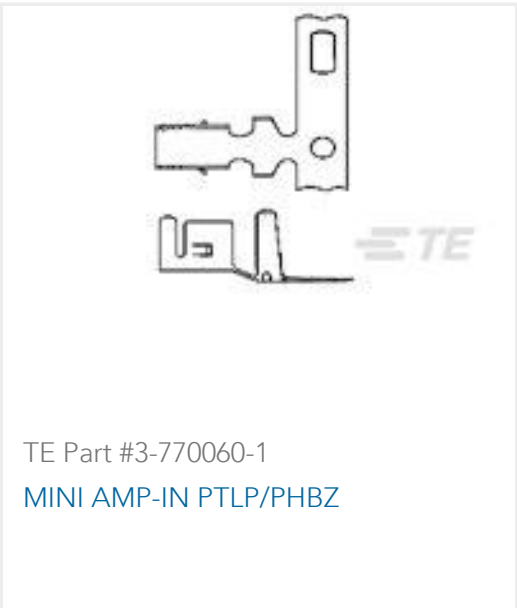
TE Part #1-2325807-2  
LUMAWISE Z45 LED HOLDER 19X19

TE Part #2213401-2  
LUMAWISE LED HOLDER Z50 STD  
PROFILE 1818

TE Part #407859-000  
BPTM-30/12-A/U-C(200)

TE Part #EN3701-005  
RSES-525D-E

TE Part #EN9473-000  
RSES-645B



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2176079-1\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176079-1\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176079-1\_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