EP9WS6K8J ✔ ACTIVE

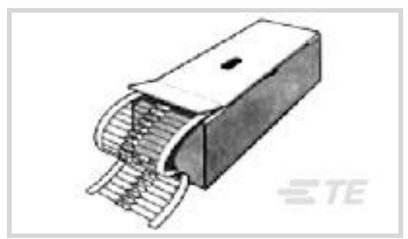
NEOHM | NEOHM EP

TE Internal #: 1-2176085-8

6.8K ohm, Ceramic Composition / Wire Wound, Power Resistor, 5 %, 9 W, ±300 ppm/°C, Axial-Leaded, Copper Termination, 40 x 8.5 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: **9 W**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **6.8K 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	9 W
Resistance Class	1kΩ – 1MΩ
Resistance Value	6.8K 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	40 x 8.5 mm

Usage Conditions

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

Packaging Features

Packaging Method	Loose Piece - Box

Product Compliance

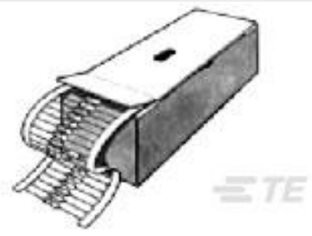
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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 2023 (235) 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

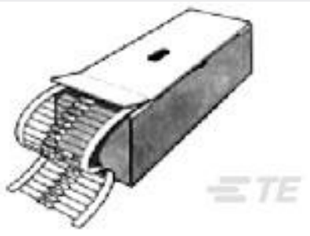
Product Compliance Disclaimer

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



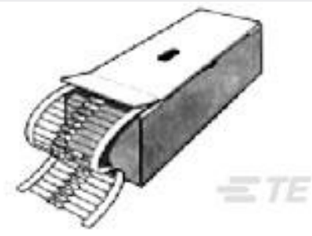
TE Part # 2176079-5
EP 3W 47R 5%



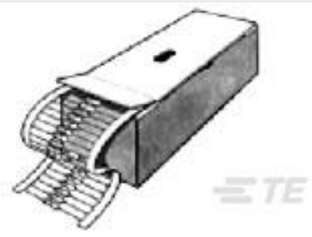
TE Part # 2176081-7
EP 1W (S) 100R 5%



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 #EC1040-000
06181903



TE Part #1SNA115177R1400
M4/6.DE1



TE Part #5050032012
RNF-100-1/4-8-STK



TE Part #160032
SOLIS 6 R 10MM



TE Part #1623732-2
BCHE 7 W 10K 5%



TE Part #2-1623773-0
C10 330R 5% (LOOSE)



TE Part #1-1623774-3
C14 100K 5% (LOOSE)



TE Part #2-1623774-0
C14 1K0 5% (LOOSE)



TE Part #2-1625892-5
3W SM M/OX 5% 1M0



TE Part #7-6437630-1
AWTE1504 = POWER TOGGLE

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176085-8_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176085-8_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176085-8_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