



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thin Film**

Power Rating: **.75 W**

Resistance Class: **Up to 1k $\Omega$**

Resistance Value: **680  $\Omega$**

Features

Product Type Features

|               |                          |
|---------------|--------------------------|
| Resistor Type | General Purpose Resistor |
| Element Type  | Thin Film                |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

|                             |                   |
|-----------------------------|-------------------|
| Operating Voltage           | 350 V             |
| Power Rating                | .75 W             |
| Resistance Class            | Up to 1k $\Omega$ |
| Resistance Value            | 680 $\Omega$      |
| Passive Component Tolerance | 1 %               |

Body Features

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

Termination Features

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

Dimensions

|                              |              |
|------------------------------|--------------|
| Passive Component Dimensions | 9.7 x 3.5 mm |
|------------------------------|--------------|



Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -55 - 155 °C |
| Temperature Coefficient     | ±100 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 | No Restricted Materials Above Threshold                                                                                        |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JUNE 2023 (235)<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

LR2F680R

General Purpose Resistor, Thin Film, .75 W, 680  $\Omega$ , 1 %,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Axial-Leaded, Copper Termination, 9.7 x 3.5 mm, Ammo Packed, Neohm LR



TE Part # 1622367-1  
LR1 1% 1M0

TE Part # 1622298-1  
LR1 1% 10K

TE Part # 1622598-1  
LR1L 5% R10

TE Part # 1614978-1  
LR0204 1% 10K

TE Part # 1622742-1  
LR2 1% 39K

Also in the Series | Neohm LR

DIMM Sockets(5)

Surface Mount Resistors(1)

Through-Hole Resistors(494)

Customers Also Bought

TE Part # DTP04-4P-LE07  
REC, 4P, GRY, N, CAP, FLANGE

TE Part # 4-1734742-0  
.5 FPC VT ZIF Type-A 40 CONT

TE Part # 926319-1  
PL 250 REC HSG 2P NYLON BLACK

TE Part # 2302452-2  
MATENET, FIXATION ELEMENT

TE Part # DTCE04-1-12P-E003  
DTCE RECP ASM

TE Part # CD61083001  
44A0111-18-9CK0300

TE Part # CF2172-000  
44A9605-16-0-L183

TE Part # 9474783001  
ACW0219-0.50-4(NS)



Documents

Product Drawings

LR2 1% 680R

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1622773-1\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1622773-1\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1622773-1\_BA.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1309350\_PASSIVE\_COMPONENT

English

Metal Film Fixed Resistors - Type LR series

English