



Passive Components > Resistors > Through-Hole Resistors



Resistance Value: 820 Ω

Resistor Type: General Purpose Resistor

Element Type: Thin Film

Power Rating: .6 W

Resistance Class: Up to 1kΩ

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
Resistance Value	820 Ω
Power Rating	.6 W
Resistance Class	Up to 1kΩ
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	6.2 x 2.3 mm
------------------------------	--------------



Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±50 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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

LR1F820R

820 ohm, Through-Hole General Purpose Resistor, Thin Film, .6 W, 1 %, ±50 ppm/°C, Axial-Leaded, Copper Termination, 6.2 x 2.3 mm, Neohm LR



TE Part # 1622742-1
LR2 1% 39K



TE Part # 1614978-1
LR0204 1% 10K



TE Part # 1622598-1
LR1L 5% R10



TE Part # 1622367-1
LR1 1% 1M0



TE Part # 1622298-1
LR1 1% 10K

Also in the Series | [Neohm LR](#)



[DIMM Sockets\(5\)](#)



[Through-Hole Resistors\(490\)](#)

Customers Also Bought



TE Part #1-2176090-0
RP 1J 0.166W 162K 0.1% 25PPM 1K RL



TE Part #1622548-1
LR1 1% 68K



TE Part #1622349-1
LR1 1% 1K0



TE Part #1622321-1
LR1 1% 150R



TE Part #1622323-1
LR1 1% 15K



TE Part #1622298-1
LR1 1% 10K



TE Part #1622359-1
LR1 1% 1K5



TE Part #1622406-1
LR1 1% 270R

LR1F820R

820 ohm, Through-Hole General Purpose Resistor, Thin Film, .6 W, 1 %, ±50 ppm/°C, Axial-Leaded, Copper Termination, 6.2 x 2.3 mm, Neohm LR



Documents

Product Drawings

LR1 1% 820R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1622576-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1622576-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1622576-1_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