



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: General Purpose Resistor

Element Type: Metal Oxide Film

Power Rating: .5 W

Resistance Class: Up to 1k Ω

Resistance Value: 6.2 Ω

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Metal Oxide Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	250 V
Power Rating	.5 W
Resistance Class	Up to 1k Ω
Resistance Value	6.2 Ω
Passive Component Tolerance	5 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

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Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	7.2 x 2.5 mm
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Usage Conditions

Operating Temperature Range	-55 - 155 $^{\circ}\text{C}$
Temperature Coefficient	± 200 ppm/ $^{\circ}\text{C}$

Packaging Features

Packaging Method	Ammo Packed
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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) Candidate List Declared Against: JUNE 2023 (235) 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 $^{\circ}\text{C}$

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

ROX05SJ6R2

General Purpose Resistor, Metal Oxide Film, .5 W, 6.2 Ω , 5 %, ± 200 ppm/ $^{\circ}$ C, Axial-Leaded, Copper Termination, 7.2 x 2.5 mm, Ammo Packed, Neohm ROX



TE Part # 2-1625892-1
3W SM M/OX 5% 1K0

TE Part # 4-1625886-1
1W SM M/OX 5% 820K

TE Part # 6-1676123-7
1/2W SM M/OX 5% 470R

TE Part # 1625881-2
1W STD M/OX 2% 220R

TE Part # 1625893-5
5W SM M/OX 5% 47K

Also in the Series | Neohm ROX

Through-Hole Resistors(798)

Customers Also Bought

TE Part # 2-1879074-8
THS15 100R 5%

TE Part # 1-2176329-8
CRGP 1210 270R 1%

TE Part # 5-1676123-0
1/2W SM M/OX 5% 91R

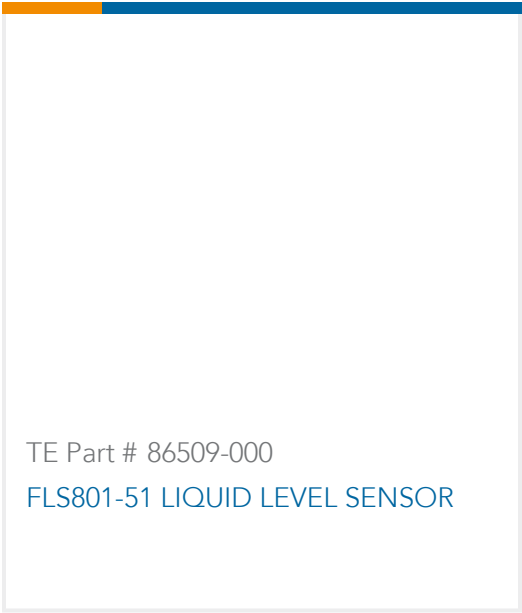
TE Part # 5069822045
CGPT-3.2/1.6-0-STK

TE Part # 3-216093-4
AMP-LATCH PRE-ASSY DIL WITHO

TE Part # M7139-350BG-200000
PRESS XDCR M7139-350BG-200000

TE Part # 1478769-3
ANTI-VIB NYLON GLD 20MM BLK

TE Part # 81500-000
VS803-51 VERTICAL LEVEL SENSOR



Documents

Product Drawings

1/2W SM M/OX 5% 6R2

English

Datasheets & Catalog Pages

Flame Proof Power Metal Oxide Film Resistors - Type ROX Series - Tyco Electronics Passives

English