



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **25 x 8 mm**

Number of Terminations: **2**

Packaging Method: **Box**

Passive Component Tolerance: **5 %**

Features

Product Type Features

| | |
|---------------|------------------|
| Product Type | Fixed Resistor |
| Resistor Type | Power Resistor |
| Element Type | Metal Oxide Film |

Configuration Features

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

Electrical Characteristics

| | |
|-----------------------------|-----------|
| Voltage Rating | 500 V |
| Passive Component Tolerance | 5 % |
| Resistance Class | 1kΩ – 1MΩ |
| Resistance Value | 47K Ω |
| Power Rating | 5 W |

Body Features

| | |
|-----------------------------|--------------|
| Passive Component Lead Type | Axial-Leaded |
|-----------------------------|--------------|

Termination Features

| | |
|---|---------------------|
| Number of Terminations | 2 |
| Passive Component Termination Material Type | Tinned Copper Leads |

Dimensions

| | |
|------------------------------|-----------|
| Passive Component Dimensions | 25 x 8 mm |
|------------------------------|-----------|

Usage Conditions

| | |
|-----------------------------|--------------|
| Operating Temperature Range | -55 – 235 °C |
| Temperature Coefficient | ±350 ppm/°C |

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Product Compliance





















For compliance documentation, visit the product page on [TE.com](https://www.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 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed |
| 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

| | | | |
|---|---|---|---|
|  <p>TE Part # 3-1625892-1 3W SM M/OX 5% 220R</p> |  <p>TE Part # 1625890-6 2W SM M/OX 5% 10R</p> |  <p>TE Part # 1-1625885-4 1W SM M/OX 5% 10R</p> |  <p>TE Part # 4-1625885-6 1W SM M/OX 5% 22K</p> |
|  <p>TE Part # 4-1625892-9 3W SM M/OX 5% 3R3</p> |  <p>TE Part # 4-1625892-2 3W SM M/OX 5% 33K</p> |  <p>TE Part # 6-1625892-7 3W SM M/OX 5% 68R</p> |  <p>TE Part # 1-1625892-5 3W SM M/OX 5% 150R</p> |
|  <p>TE Part # 7-1625890-1 2W SM M/OX 5% 82R</p> |  <p>TE Part # 7-1625890-5 2W SM M/OX 5% 1R5</p> |  <p>TE Part # 9-1625892-4 ROX3S 5% R22 BL</p> |  <p>TE Part # 1-1625885-2 1W SM M/OX 5% 100R</p> |
|  <p>TE Part # 4-1625885-4 1W SM M/OX 5% 220R</p> |  <p>TE Part # 7-1625892-2 3W SM M/OX 5% 82K</p> |  <p>TE Part # 1625881-5 1W STD M/OX 2% 47R</p> |  <p>TE Part # 2-1625890-3 2W SM M/OX 5% 1K5</p> |
|  <p>TE Part # 4-1625892-1 3W SM M/OX 5% 330R</p> |  <p>TE Part # 1-1625885-1 1W SM M/OX 5% 100K</p> |  <p>TE Part # 1-1625885-7 1W SM M/OX 5% 120R</p> |  <p>TE Part # 3-1625885-8 1W SM M/OX 5% 1R0</p> |

Also in the Series | **Neohm ROX**



Through-Hole Resistors(787)

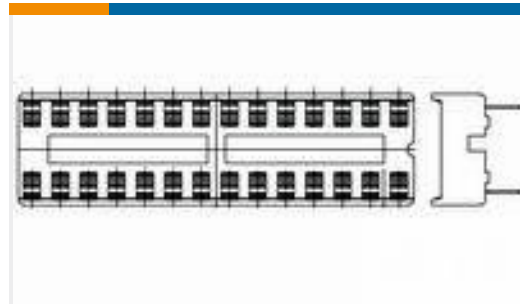
Customers Also Bought



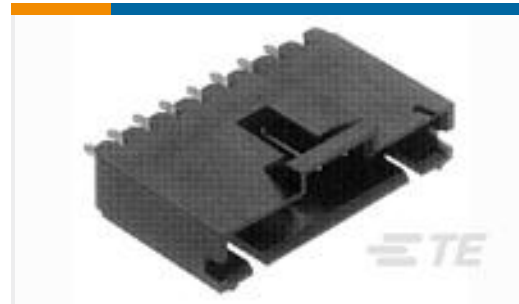
TE Part #1217955-1
.187 FAST FL AMVAR 0157 TPBR



TE Part #1676250-3
RN 0805 20K 0.1% 10PPM 5KRL



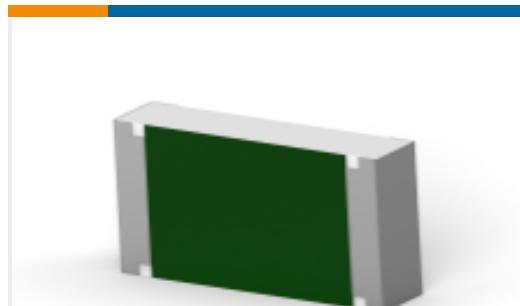
TE Part #1-2199298-1
6P,DIP SKT,300 CL,LDR,PB FREE



TE Part #103638-6
07 MTE HDR SRST LATCH .100CL



TE Part #1625893-9
5W SM M/OX 5% 100K



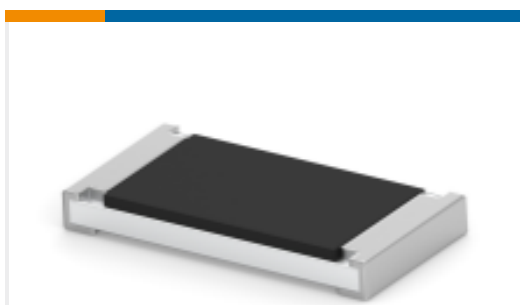
TE Part #9-2176397-4
3502 7K5 1%



TE Part #1625893-2
5W SM M/OX 5% 39K



TE Part #1625893-8
5W SM M/OX 5% 91K



TE Part #1622825-9
Thick Film Resistor: Current Sense



TE Part #1982101-1
Socket header

Documents

Product Drawings

5W SM M/OX 5% 47K

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1625893-5_BA.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1625893-5_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1625893-5_BA.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[4-1773460-6_RESISTIVE_SOLUTIONS_RAIL](#)

English

[Flame Proof Power Metal Oxide Film Resistors - Type ROX Series - Tyco Electronics Passives](#)

English

[8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS](#)

English