



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**  
Element Type: **Wire Wound**  
Power Rating: **14 W**  
Resistance Class: **Up to 1kΩ**  
Resistance Value: **27 Ω**

Features

Product Type Features

|               |                |
|---------------|----------------|
| Resistor Type | Power Resistor |
| Element Type  | Wire Wound     |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Power Rating                | 14 W      |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | 27 Ω      |
| Passive Component Tolerance | 5 %       |

Body Features

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

Termination Features

|                                |        |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
|--------------------------------|--------|



Number of Terminations2

Dimensions

|                              |             |
|------------------------------|-------------|
| Passive Component Dimensions | 53.5 x 8 mm |
|------------------------------|-------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 200 °C[-67 – 392 °F] |
| Temperature Coefficient     | 0 – 60 ppm/°C              |

Packaging Features

|                  |                    |
|------------------|--------------------|
| Packaging Method | Loose Piece - Tray |
|------------------|--------------------|

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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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

ER1727RJL

27 ohm, Wire Wound, Power Resistor, 5 %, 14 W, 0 – 60 ppm/°C, Axial-Leaded, Copper Termination, 53.5 x 8 mm, Loose Piece - Tray, CGS ER



TE Part # 1623749-6

ER17 22K 5% LOOSE

TE Part # 1-1623746-3

ER74 1R0 5% AMMO PK

TE Part # 6-1623746-9

ER74 R05 10% AMMO PK

TE Part # 1623748-1

ER16 10R 5% LOOSE

TE Part # 4-1623750-7

ER58 R22 5% AMMO

Also in the Series | CGS ER

Through-Hole Resistors(168)

Customers Also Bought

TE Part #20014203-12

PRESS XDCR M325M-000005-250PG

TE Part #3954384002

CGPE-105-1/2-0-SP

TE Part #1-1625893-3

5W SM M/OX 2% 22R

TE Part #2-1879461-5

RL73H 2A R13 1% 1K RL

TE Part #9-2176415-0

8W STD M/OX 5% 150K

TE Part #9-2176415-1

8W STD M/OX 5% 160K

TE Part #2-2176455-5

CPF 0402 7R5 0.1% 25ppm 1K RL

TE Part #2-2329328-0

PB OFF/ON HC BLU M4 TERM. IP68



Documents

Product Drawings

ER17 27R 5% LOOSE

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-1623749-0\_BA1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1623749-0\_BA1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1623749-0\_BA1.3d\_igs.zip

English

3D PDF

3D

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Datasheets & Catalog Pages

4-1773460-6\_RESISTIVE\_SOLUTIONS\_RAIL

English

1309350\_PASSIVE\_COMPONENT

English

High Power Resistors - Type ER/ERV Series

English

8-1773459-4\_POWER\_FILTERING\_AND\_RESISTIVE\_SOLUTIONS\_FOR\_ELEVATORS\_AND\_ESCALATORS

English