# THS5027RJ ✔ ACTIVE

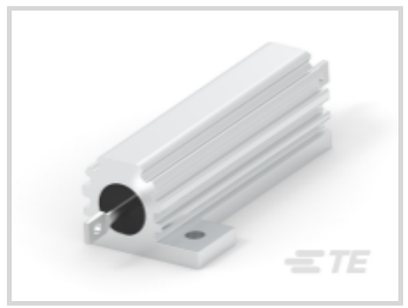
CGS | CGS THS

TE Internal #: 3-1879071-0

27 ohm, Wire Wound, 5 %, Power Resistor, 50 W, 2 Terminations, ±50 ppm/°C, Solder Lug, Loose Piece - Tray, 17 mm [.669 in] Height, CGS THS

View on TE.com >

Passive Components > Resistors > Chassis Mount Resistors > Power Resistor: Aluminum Housed, 75 Watt







Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **27 Ω**

Power Rating: **50 W**

Element Type: **Wire Wound**

All Power Resistor: Aluminum Housed, 75 Watt (236)

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 1250 V |
| Resistance Class | Up to 1kΩ |
| Resistance Value | 27 Ω |
| Power Rating | 50 W |
| Passive Component Tolerance | 5 % |

### Termination Features

| | |
|---|---|
| Number of Terminations | 2 |

| | |
|---|---|
| Chassis Mount Resistor Termination Type | Solder Lug |

### Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature Type | Flange with Mounting Holes |

### Dimensions

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|---|---|
| Product Height | 17 mm[.669 in] |
| Product Length | 72.5 mm[2.854 in] |
| Product Width | 30 mm[1.181 in] |

### Usage Conditions

| | |
|---|---|
| Temperature Coefficient | ±50 ppm/°C |

### Packaging Features

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

## Product Compliance

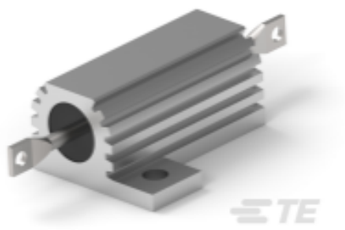
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Out of Scope |
| 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 2025 (250)<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 | Hand solderable with lead free solder |

Product Compliance Disclaimer

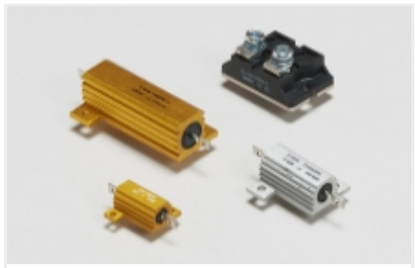
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

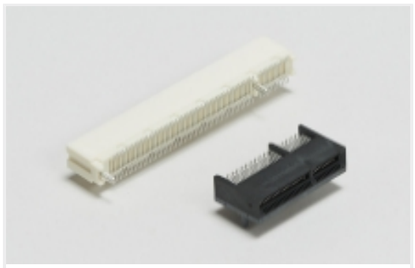


TE Part # CAT-C339-T419
Power Resistor: Aluminum Housed, 75 Watt

## Also in the Series | CGS THS



Chassis Mount Resistors(241)



PCI & PCI Express Connectors(8)

## Customers Also Bought




TE Part #5070102034
RNF-100-1-X-STK



TE Part #803753-SF
FN9222B-6-06



TE Part #024069-E
STVBUG C 96 CSI 172 9999 * J 4 24069 FED



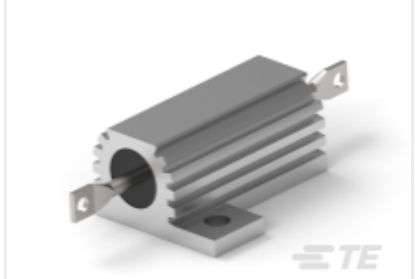
TE Part #234063-E
STVROL BUT 500 CSI 2026 207 * AL J 2 340



TE Part #5-1625892-2
3W SM M/OX 5% 470R



TE Part #1879026-4
YR1 0.1% 10R



TE Part #CAT-C339-T419
Power Resistor: Aluminum Housed, 75 Watt



TE Part #1-1879444-0
TE 100W 5R6 5% Bracket



TE Part #5787170-7

68 50SR R/A RCPT ASSY,RDSN L/F

# Documents

## Product Drawings

THS50 27R 5%

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_3-1879071-0_A1.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_3-1879071-0_A1.3d_stp.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_3-1879071-0_A1.2d_dxf.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

Aluminium Housed Power Resistors - Type THS Series - Tyco Electronics Passives

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English