# HSC3006R8J ✔ ACTIVE

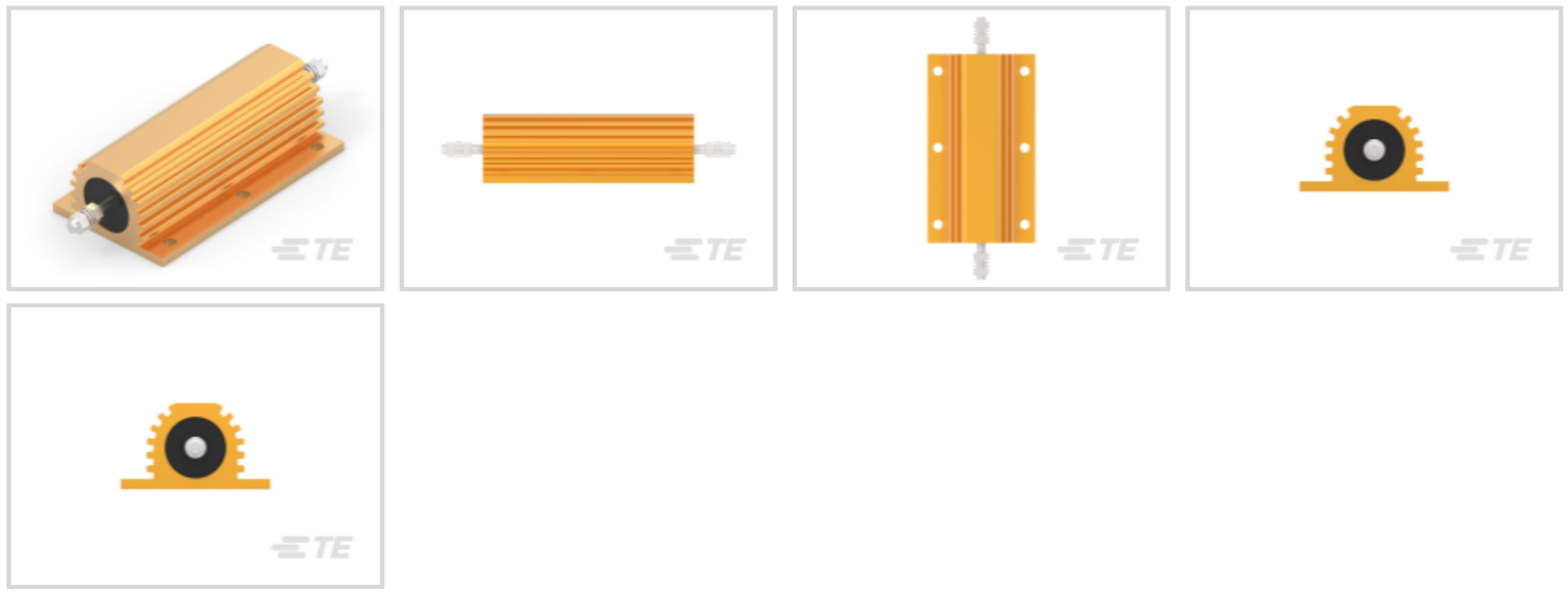
CGS | CGS HS

TE Internal #: 2-1630027-0

6.8 ohm, Wire Wound, 5 %, Power Resistor, 300 W, 2 Terminations, ±50 ppm/°C, M6 Threaded Stud, Loose Piece - Tray, 41 mm [1.614 in] Height, CGS HS

View on TE.com >

Passive Components > Resistors > Chassis Mount Resistors



Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **6.8 Ω**

Power Rating: **300 W**

Element Type: **Wire Wound**

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 2500 VAC |
| Resistance Class | Up to 1kΩ |
| Resistance Value | 6.8 Ω |
| Power Rating | 300 W |
| Passive Component Tolerance | 5 % |

### Termination Features

| | |
|---|---|
| Number of Terminations | 2 |
| Chassis Mount Resistor Termination Type | M6 Threaded Stud |

## Mechanical Attachment

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

## Dimensions

| | |
|---|---|
| Product Height | 41 mm[1.614 in] |
| Product Length | 180 mm[7.087 in] |
| Product Width | 71.4 mm[2.811 in] |

## Usage Conditions

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

## Packaging Features

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

# Product Compliance

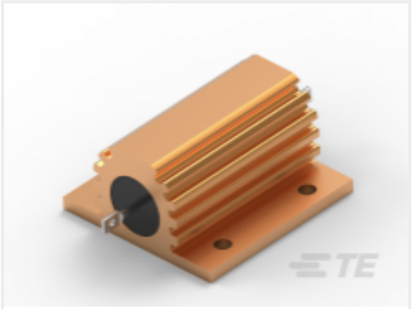
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | 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: JAN 2025 (247)<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 | Not applicable for solder process capability |

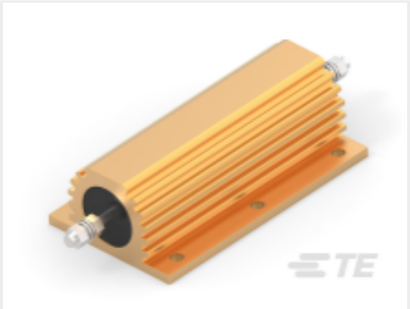
Product Compliance Disclaimer

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

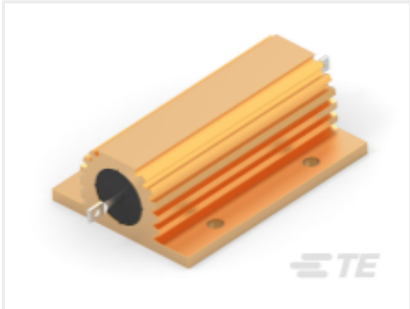
## Compatible Parts



TE Part # CAT-C339-H85913
Power Resistors: Aluminum Housed, HSA



TE Part # 1630027-1
HSC300 100R 5%



TE Part # 1625999-3
HSC100 10R 5%

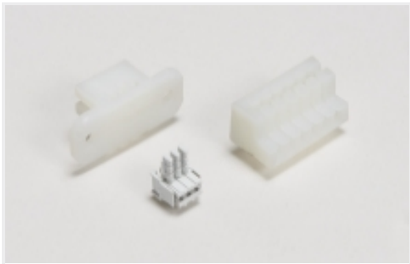
## Also in the Series | CGS HS



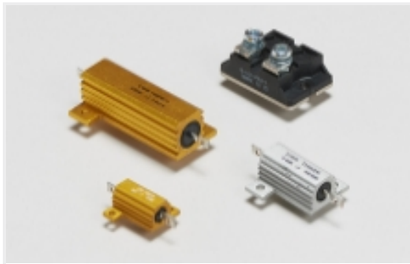
Automotive Housings(1)



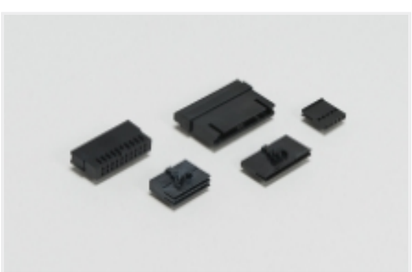
Automotive Signal & Power Connector Housings(1)



Card Edge Connector Housings(1)

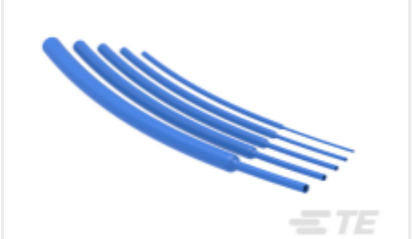


Chassis Mount Resistors(1069)



FFC Connectors(1)

## Customers Also Bought



TE Part #CAT-HST-RNF100-6
RNF-100-6 Heat Shrink Tubing



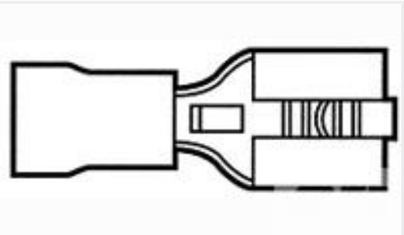
TE Part #4362893001
44A0221-16-1/6



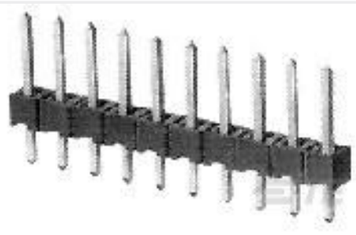
TE Part #HDP24-18-8PE
REC, 8P, BLK, E, 12, P



TE Part #640250-2
02P SL156 HSG W/LCK RAMP NATL



TE Part #8-640905-1
RECEPT,PIDG FASTON 16-14 250



TE Part #826629-2
2P AMPMODU II



TE Part #3-1625971-2
HSA25 2K4 5%



TE Part #1676979-9
TW 1W 50R 6.35X25PL




TE Part #2176230-6
3522 2R2 5% 3W

## Documents

### Product Drawings

HSC300 6R8 5%

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1630027-0_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1630027-0_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1630027-0_N.3d_stp.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 HS Series

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English