# HSA508R2J ✔ ACTIVE

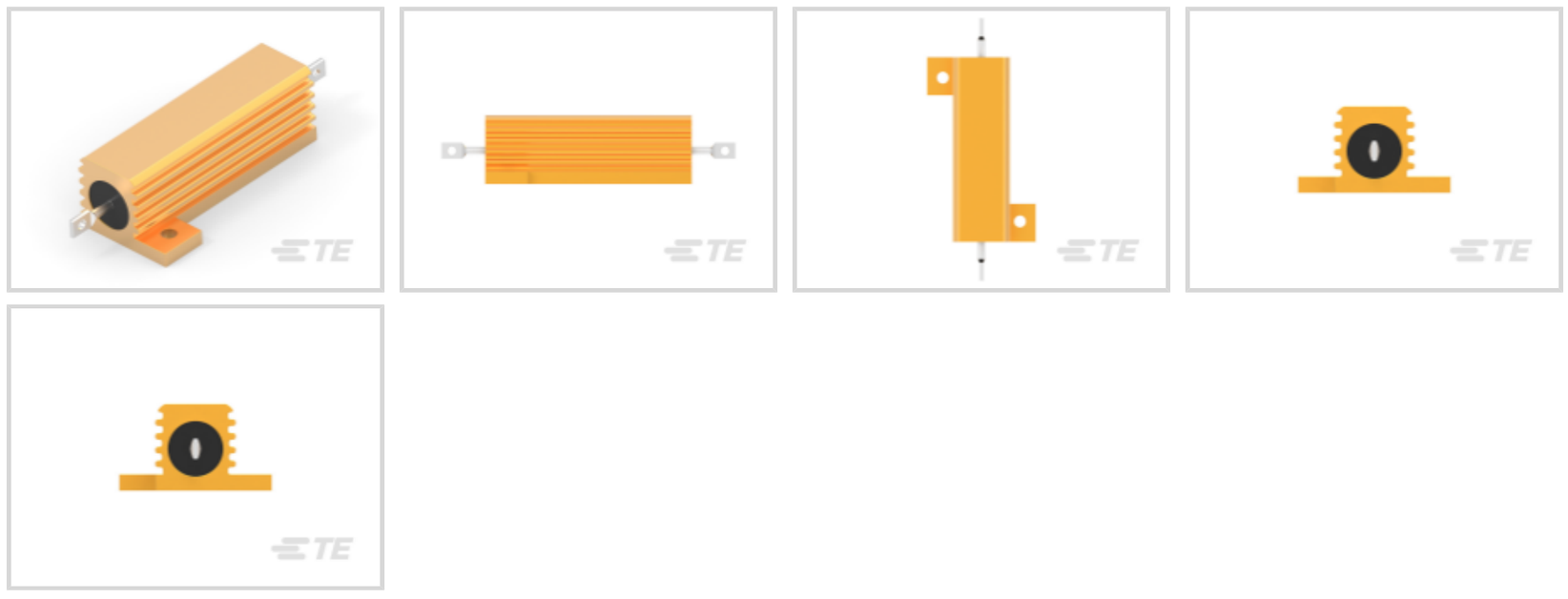
CGS | CGS HS

TE Internal #: 8-1625984-6

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

View on TE.com >

Passive Components > Resistors > Chassis Mount Resistors > Power Resistors: Aluminum Housed, HSA



Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **8.2 Ω**

Power Rating: **50 W**

Element Type: **Wire Wound**

All Power Resistors: Aluminum Housed, HSA (384)

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 1250 VDC |
| Resistance Class | Up to 1kΩ |
| Resistance Value | 8.2 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

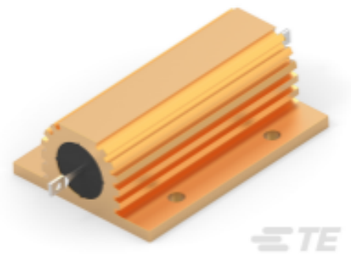
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | 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 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 |

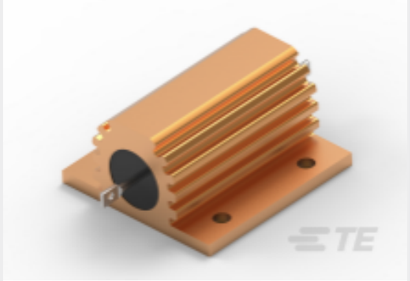
Product Compliance Disclaimer

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

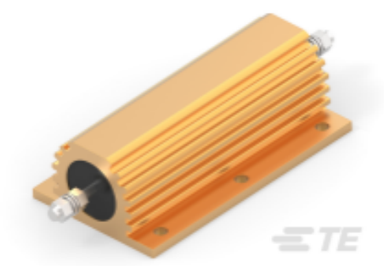
## Compatible Parts



TE Part # 1625999-3
HSC100 10R 5%



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



TE Part # 1630027-1
HSC300 100R 5%

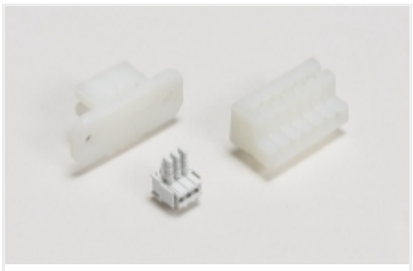
## Also in the Series | CGS HS



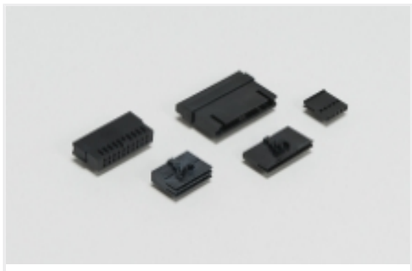
Automotive Housings(1)



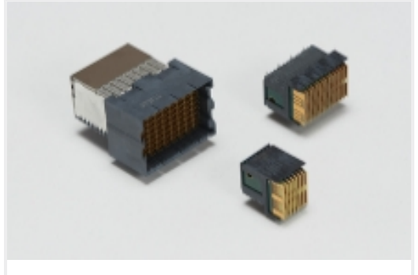
Automotive Signal & Power Connector Housings(1)



Card Edge Connector Housings(1)



FFC Connectors(1)

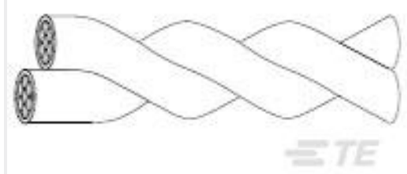


High Speed Backplane Connectors(10)



RJ45 Connectors(1)

## Customers Also Bought



TE Part #3838513001
44A0121-26-0/9



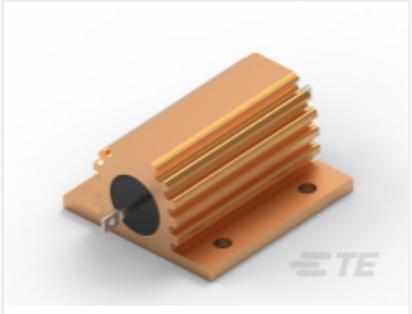
TE Part #GA10K4A1IA
DISCRETE 10K OHMS,+/-0.1C FROM 0C TO 70C



TE Part #204504-1
RECEPT ASSY,SZ 3,AMPLIMITE



TE Part #204505-1
AMPLIMITE,ASY,PLUG,STD,90,3



TE Part #CAT-C339-H85913

Power Resistors: Aluminum Housed, HSA



TE Part #1879134-4

RN 0603 10K5 0.1% 10PPM 1K RL

## Documents

### Product Drawings

HSA50 8R2 5%

English

### CAD Files

Customer View Model

ENG_CVM_CVM_8-1625984-6_K.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-1625984-6_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-1625984-6_K.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