HSA51R0J ✔ ACTIVE

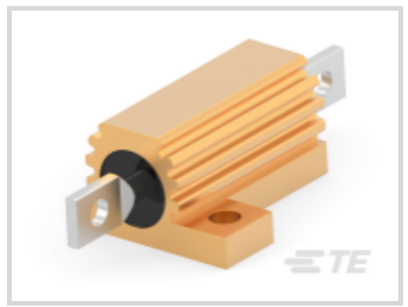
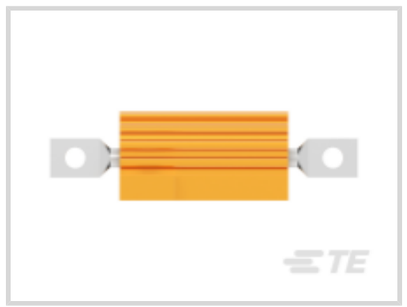
CGS | CGS HS

TE Internal #: 1-1625963-5

1 ohm, Wire Wound, 5 %, Power Resistor, 10 W, 2 Terminations, ±50 ppm/°C, Solder Lug, Loose Piece - Tray, 9 mm [.354 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: **1 Ω**

Power Rating: **10 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	150 V
Resistance Class	Up to 1kΩ
Resistance Value	1 Ω
Power Rating	10 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

Product Height	9 mm[.354 in]
Product Length	31 mm[1.22 in]
Product Width	17 mm[.669 in]

Usage Conditions

Temperature Coefficient	±50 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Tray

Product Compliance

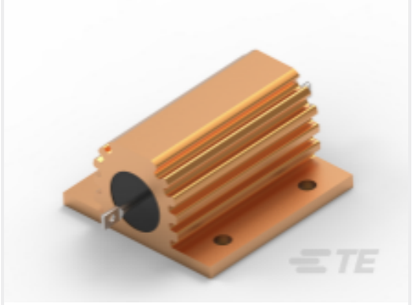
For compliance documentation, visit the product page on TE.com>

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) Candidate List Declared Against: JUNE 2025 (250) 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

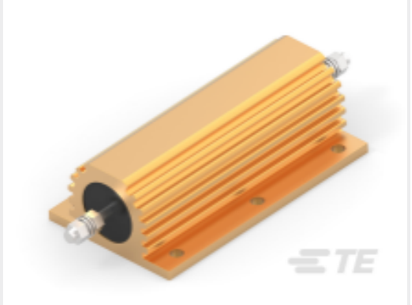
Product Compliance Disclaimer

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

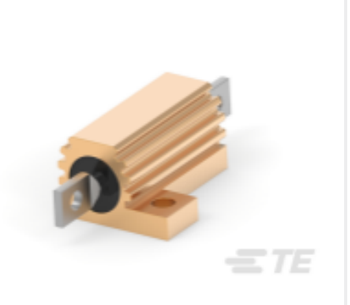
Compatible Parts



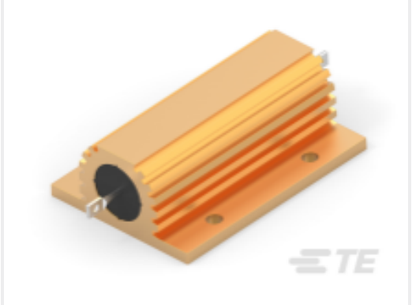
TE Part # CAT-C339-H85913
Power Resistors: Aluminum Housed, HSA



TE Part # 1630027-1
HSC300 100R 5%



TE Part # 7-1625963-1
HSA5 510R 5%



TE Part # 1625999-3
HSC100 10R 5%

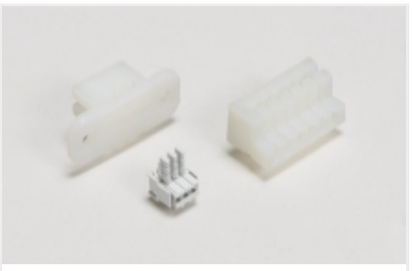
Also in the Series | CGS HS



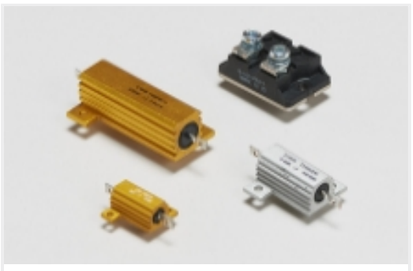
Automotive Housings(1)



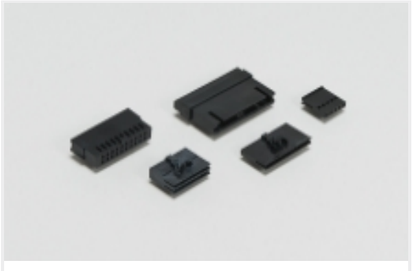
Automotive Signal & Power Connector Housings(1)



Card Edge Connector Housings(1)



Chassis Mount Resistors(1069)



FFC Connectors(1)

Customers Also Bought



TE Part #RD2458-5-OTDR-NM
Dipol,RDuck,FIXED,NM 2400-5850MHz,5dBi,O



TE Part #071855-000
222A142-25/225-0



TE Part #D07339-000
HW-191064-10-9



TE Part #GPSU15M
GPO,STD,1.5GHz NMO,26



TE Part #GA10K3A1A
DISCRETE 10K OHMS,+/-0.1C FROM 0C TO 70C



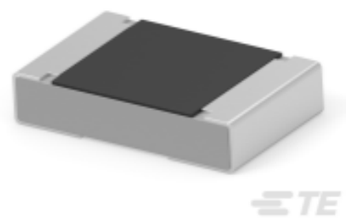
TE Part #350712-1
09P UMNL PIN HDR ASSY 94VO



TE Part #2-487937-4
024 HOUSING FFC 50CL DR LATCH



TE Part #1-1630012-6
HSC150 240R 5%



TE Part #8-2176523-7
3503G 2B 402R 1% 1K RL



TE Part #5103310-2
A/L LOW PRO HDR 14P RA BLACK

Documents

Product Drawings

HSA5 1R0 5%

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1625963-5_U.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1625963-5_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1625963-5_U.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