HSC10082RJ ✔ ACTIVE

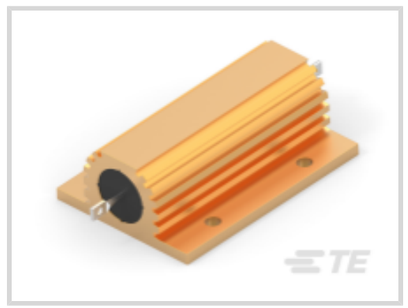
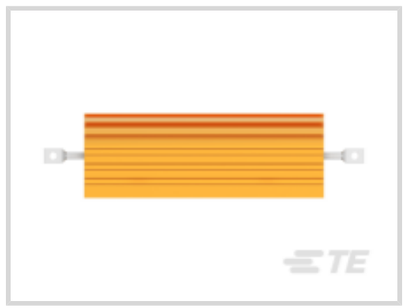
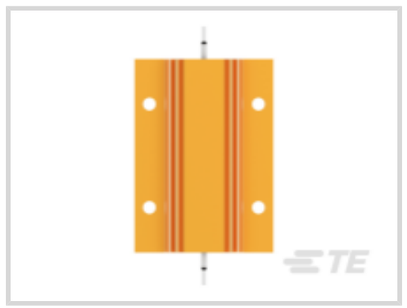
CGS | CGS HS

TE Internal #: 7-1625999-3

82 ohm, Wire Wound, 5 %, Power Resistor, 100 W, 2 Terminations, ±50 ppm/°C, Solder Lug, Loose Piece - Tray, 26 mm [1.024 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: **82 Ω**

Power Rating: **100 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	1900 VDC
Resistance Class	Up to 1kΩ
Resistance Value	82 Ω
Power Rating	100 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	26 mm[1.024 in]
Product Length	87.5 mm[3.445 in]
Product Width	47.5 mm[1.87 in]

Usage Conditions

Temperature Coefficient	±50 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Tray

Product Compliance

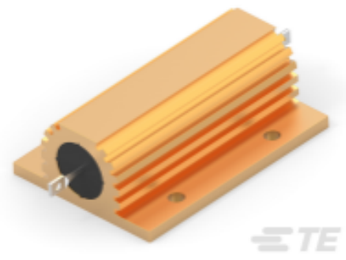
For compliance documentation, visit the product page on TE.com>

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: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

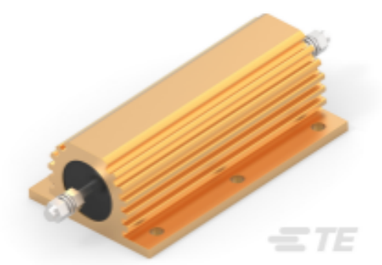
Product Compliance Disclaimer

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

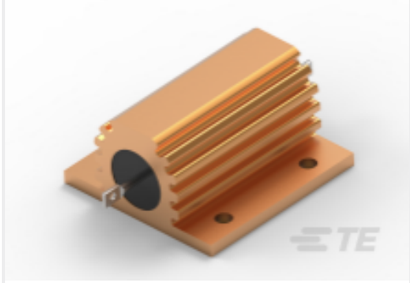
Compatible Parts



TE Part # 1625999-3
HSC100 10R 5%



TE Part # 1630027-1
HSC300 100R 5%



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

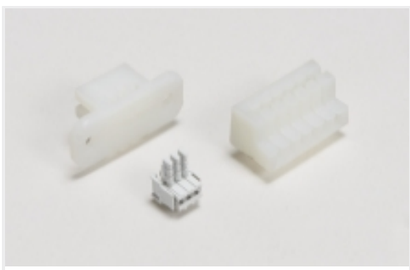
Also in the Series | CGS HS



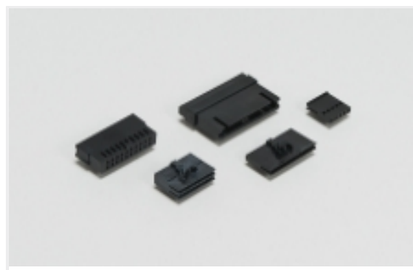
Automotive Housings(1)



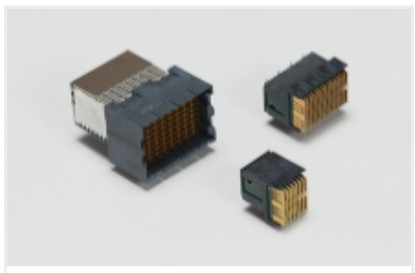
Automotive Signal & Power Connector Housings(1)



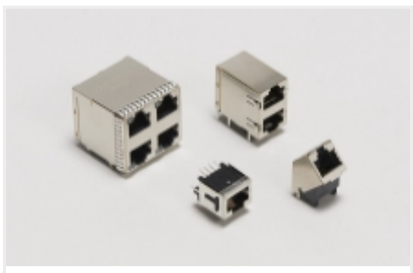
Card Edge Connector Housings(1)



FFC Connectors(1)



High Speed Backplane Connectors(10)



RJ45 Connectors(1)

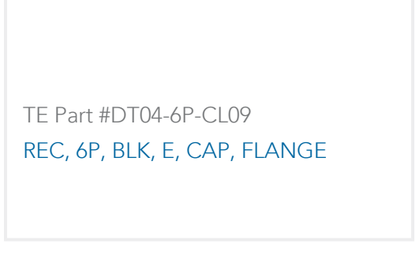
Customers Also Bought

TE Part #DT04-6P-CL09
REC, 6P, BLK, E, CAP, FLANGE

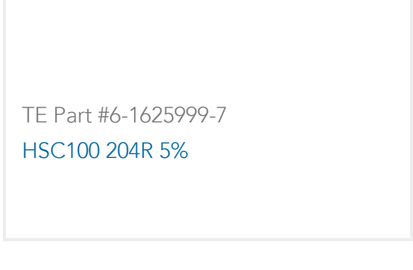
TE Part #6-1625999-7
HSC100 204R 5%

TE Part #1871303-1
DYNAMIC D1000 REC CONT M PRE TIN REEL

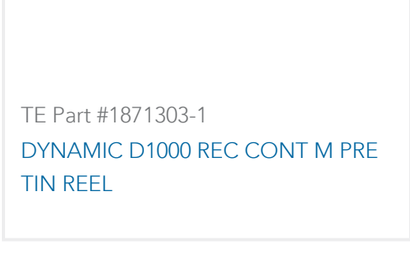
TE Part #CAT-C339-T419
Power Resistor: Aluminum Housed, 75 Watt



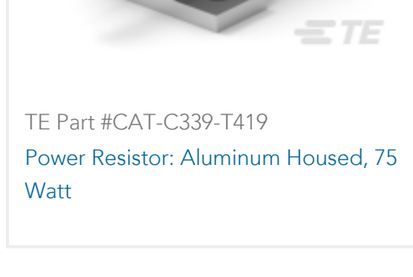
TE Part #1-1879445-5
TE 120W 15R 5% Bracket



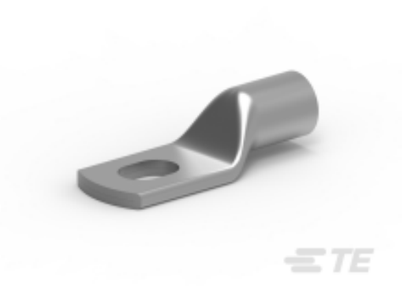
TE Part #2-2176503-1
CJP 80W 27R 5% Lead



TE Part #1-2176507-5
CJP 200W 8R2 5% Lead



TE Part #2176508-6
CJP 300W 1R5 5% Lead



TE Part #3-2177380-1
RING TONGUE, CONTACT

Documents

Product Drawings

HSC100 82R 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-1625999-3_AH.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-1625999-3_AH.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-1625999-3_AH.3d_stp.zip

English

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Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

Datasheet - Ev-Charging Passives

English

Aluminium Housed Power Resistors - Type HS Series

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English