352068RJT ✔ ACTIVE

CGS | CGS 3520

TE Internal #: 5-1622820-9

68 ohm, Thick Film, Power Resistor, 5 %, 2512, 1 W, ±200 ppm/°C, Solder, 2 Terminations, .6 mm [.024 in] Height, 6.4 mm [.252 in] Length, CGS 3520

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 1 Watt, 3520 Series

Resistor Type: **Power Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **1 W**

Resistance Value: **68 Ω**

All SMD Power Resistor: 1 Watt, 3520 Series (132)

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Film
Package Size Code	2512

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	200 V
Power Rating	1 W
Resistance Value	68 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.6 mm[.024 in]

Product Length	6.4 mm[.252 in]
Product Width	3.2 mm[.126 in]

Usage Conditions

Temperature Coefficient	±200 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

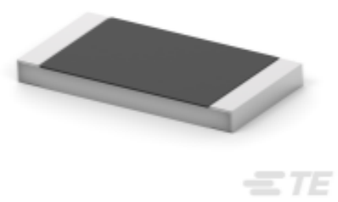
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 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	Reflow solder capable to 260°C

Product Compliance Disclaimer

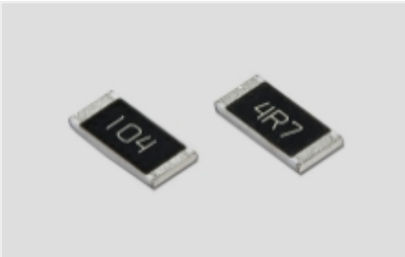
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-A76
SMD Power Resistor: 1 Watt, 3520 Series

Also in the Series | CGS 3520



Surface Mount Resistors(133)

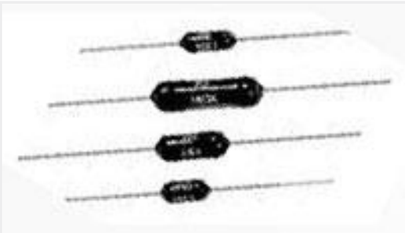
Customers Also Bought

TE Part #800305-SF
FN393-2.5-05-11

TE Part #1-382811-6
SHUNT,ECON,PHBR 15AU,BLACK L/P

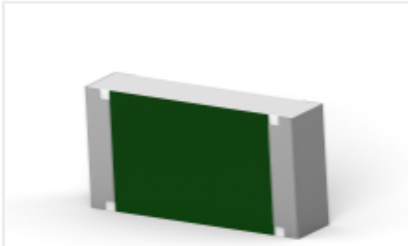
TE Part #CAT-AM705-CH8173
AMP Unsealed Connector Housing

TE Part #1-1415898-9
RTS3L012

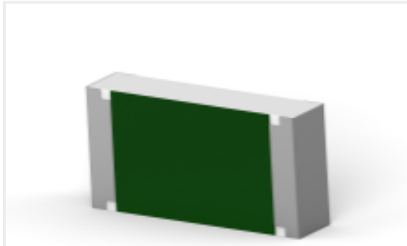


TE Part #9-1879664-4
H8 10K7 0.1% 15PPM

TE Part #6-2176216-1
CPF A 0603 100K 0.1% 25PPM 1K RL



TE Part #3-2176397-2
3502 20R 1%



TE Part #5-2176397-0
3502 110R 1%

TE Part #826883-2
02P ECONOSEAL "E"

Documents

Product Drawings

3520 68R 5%

English

3520 68R 5%

English

CAD Files

Customer View Model

ENG_CVM_CVM_5-1622820-9_BA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1622820-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1622820-9_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

SMD Power Resistors - Type 3520 Series - Tyco Electronics Passives

English