

3522100RJT ✓ ACTIVE

CGS | CGS 3522

TE Internal #: 2-2176230-6

100 ohm, Surface Mount Power Resistor, Thick Film, 2512, 3 W, 5 %, ±100 ppm/°C, Solder, 2 Terminations, 1.1 mm [.043 in] Height, CGS 3522

[View on TE.com >](#)



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 3 Watt, 5% Tol



Resistance Value: 100 Ω

Resistor Type: Power Resistor

Element Type: Thick Film

Package Size Code: 2512

Power Rating: 3 W

[All SMD Power Resistor: 3 Watt, 5% Tol \(67\)](#)

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	250 V
Resistance Value	100 Ω
Power Rating	3 W
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

Termination Features



Surface Mount Resistor Termination Type	Solder
---	--------

Number of Terminations	2
------------------------	---

Dimensions

Product Height	1.1 mm [.043 in]
----------------	------------------

Product Length	6.35 mm [.25 in]
----------------	------------------

Product Width	3.2 mm [.126 in]
---------------	------------------

Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}$ C
-----------------------------	------------------------

Temperature Coefficient	± 100 ppm/ $^{\circ}$ 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	Compliant with Exemptions
-----------------------------	---------------------------

China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
---	--------------------------------------

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
--	---

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
-----------------	---

Solder Process Capability	Reflow solder capable to 260 $^{\circ}$ 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

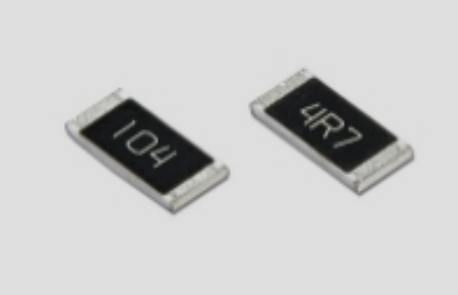


TE Part # CAT-C339-A76B
SMD Power Resistor: 3 Watt, 1% Tol



TE Part # 4-2176230-2
3522 2K2 5% 3W

Also in the Series | CGS 3522



Surface Mount Resistors(211)

Customers Also Bought



TE Part #2-2176246-7
CRGS2512 5% 150R



TE Part #3-1879207-0
RN 0603 4K7 0.1% 10PPM 1K RL



TE Part #5-1879137-4
RN 0603 499R 0.1% 10PPM 5K RL



TE Part #521384-4
ASSY PL R/A RAST5 HEADER 04-A



TE Part #8-1879273-2
RP 2A 1K0 0.1% 15PPM CUT LENGTH



TE Part #1-2176246-3
CRGS2512 5% 10R



TE Part #2-2176230-5
3522 82R 5% 3W



TE Part #2-1879138-9
RN 0603 3K16 0.1% 10PPM 5K RL



Documents

Product Drawings

[3522 100R 5% 3W](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2-2176230-6_BA.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-2176230-6_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176230-6_BA.3d_igs.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[SMD POWER RESISTORS - TYPE 3522 SERIES](#)

English