3503G2B107RFTD ✔ ACTIVE

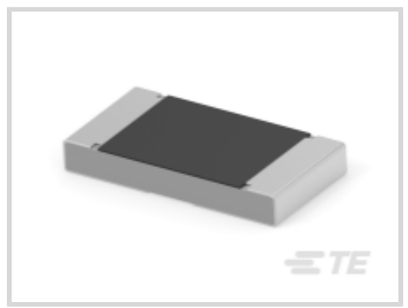
CGS | CGS 3503

TE Internal #: 3-2176526-2

Power Resistor, Thin Film, 1206, 2 W, 107 ohm, 1 %, ±50 ppm/°C, Solder, 2 Termination, Height .43 mm [.017 in], Length 3.05 mm [.12 in], CGS 3503

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors







Resistor Type: **Power Resistor**

Element Type: **Thin Film**

Package Size Code: **1206**

Power Rating: **2 W**

Resistance Value: **107 Ω**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thin Film
Package Size Code	1206

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	100 V
Power Rating	2 W
Resistance Value	107 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.43 mm[.017 in]
Product Length	3.05 mm[.12 in]
Product Width	1.55 mm[.061 in]

Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±50 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

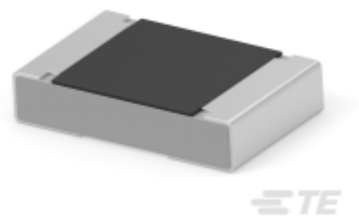
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

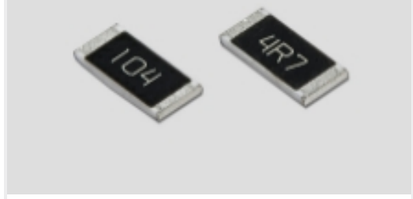
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 3-2176523-2
3503G 2B 107R 1% 1K RL

Also in the Series | CGS 3503



Surface Mount Resistors(534)

Documents

Product Drawings

3503G 2B 107R 1% 5K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-2176526-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176526-2_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_3-2176526-2_A.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

Aluminium Nitride Thin Film Power Resistor - Type 3503 Series

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2310537-1 650075-000 1-794222-0 2005330-1 ROX05SJ18R SBCHE154R7K SMW73R0JT 2377783-2 2380312-2 TE50BR39J U5254-000005-030PA 175977-2 1903112-2 917696-1 CPF0402B37K4E1 MPT100C18RF 1743455-2 1969656-1 2-292161-3 2834055-1 936348-1 CRGCQ2010J3K3 1-962915-1 1393431-1 3-1393225-0 RH73H2A40MKTN SBCHE64R7K 141991-2 3430B2F51RTDF 3631B101LL