

3504G3A80R6FTDF

✓ ACTIVE

CGS | CGS 3504

TE Internal #: 2-2176529-0

80.6 Ω , Thin Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 6 W, ± 50 ppm/ $^{\circ}\text{C}$, Solder, 6.3 x 3.1 x .43 mm, CGS 3504

[View on TE.com >](#)



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

Features

Product Type Features

| | |
|-------------------|----------------|
| Product Type | Fixed Resistor |
| Resistor Type | Power Resistor |
| Package Size Code | 2512 |
| Element Type | Thin Film |

Configuration Features

| | |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

| | |
|-----------------------------|-------------------|
| Voltage Rating | 100 V |
| Passive Component Tolerance | 1 % |
| Resistance Class | Up to 1k Ω |
| Resistance Value | 80.6 Ω |
| Power Rating | 6 W |

Termination Features

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



Surface Mount Resistor Termination Type

Solder

Dimensions

| | |
|------------------------------|--------------------|
| Passive Component Dimensions | 6.3 x 3.1 x .43 mm |
|------------------------------|--------------------|

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

3504G3A80R6FTDF

80.6 Ω, Thin Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 6 W, ±50 ppm/°C, Solder, 6.3 x 3.1 x .43 mm, CGS 3504







TE Part # 2-2176532-0

3504G 3A 80R6 1% 4K RL

Also in the Series | CGS 3504



Surface Mount Resistors(534)

Customers Also Bought





TE Part #5-1879208-9

CPF 0402 2K7 0.1% 25PPM 1K RL





TE Part #8-1676481-3

CPF 0603 22K 0.1% 25PPM 1K RL





TE Part #8-1676481-8

CPF 0603 36K 0.1% 25PPM 1K RL





TE Part #8-1879133-3

RN 0603 6K34 0.1% 10PPM 1K RL





TE Part #2176090-7

RP 1J 0.166W 150K 0.1% 25PPM 1K RL





TE Part #9-2176089-6

RP 1J 0.166W 118K 0.1% 25PPM 1K RL





TE Part #1676404-2

RN 0805 665R 0.1% 10PPM 1KRL





TE Part #2-2176090-7

RP 1J 0.166W 243K 0.1% 25PPM 1K RL





TE Part #7-2176087-7

RP 1J 0.166W 432R 0.1% 25PPM 1K RL





TE Part #6-2176378-3

RQ 0805 44R2 0.1% 10PPM 5K RL



Documents

Product Drawings

3504G 3A 80R6 1% 1K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-2176529-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2176529-0_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2-2176529-0_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

1773270-5

English