3504G3A7K5FTDF ✔ ACTIVE

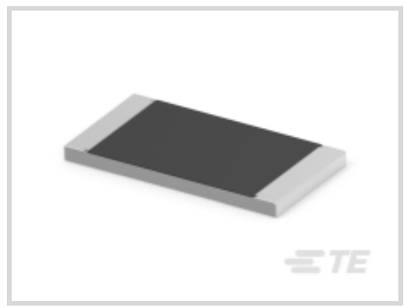
CGS | CGS 3504

TE Internal #: 1-2176531-1

7.5K ohm, Surface Mount Power Resistor, Thin Film, 2512, 6 W, 1 %, ±50 ppm/°C, Solder, 2 Terminations, .43 mm [.017 in] Height, CGS 3504

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors





Resistance Value: **7.5K Ω**

Resistor Type: **Power Resistor**

Element Type: **Thin Film**

Package Size Code: **2512**

Power Rating: **6 W**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	100 V
Resistance Value	7.5K Ω
Power Rating	6 W
Resistance Class	1kΩ – 1MΩ
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	6.3 mm[.248 in]
Product Width	3.1 mm[.122 in]

Usage Conditions

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

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

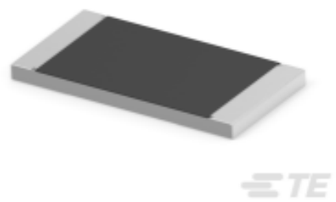
For compliance documentation, visit the product page on TE.com>

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: JAN 2025 (247) 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

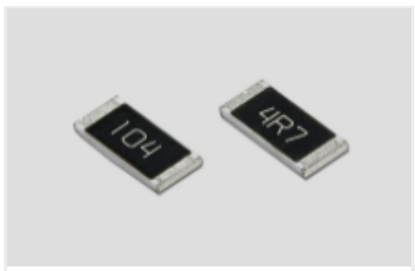
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



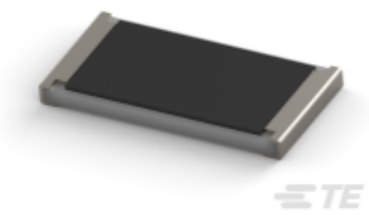
TE Part # 1-2176534-1
3504G 3A 7K5 1% 4K RL

Also in the Series | CGS 3504



Surface Mount Resistors(534)

Customers Also Bought



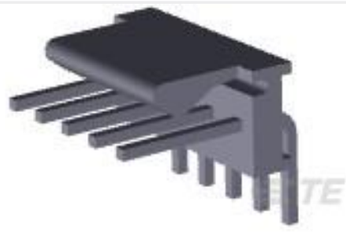
TE Part #CAT-C339-A76A
SMD Power Resistor: 2 Watt, 3521 Series



TE Part #1532209-1
M83513/01-AN, MCKS-N1-B-9PS



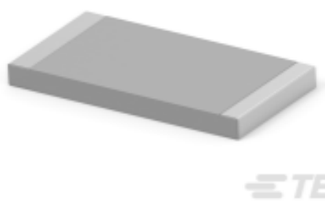
TE Part #1604044-4
KIT,175A, 4 AWG,GRAY



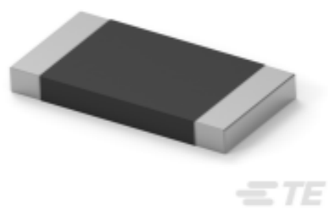
TE Part #640457-5
05P MTA100 HDR ASSY SQ R/A F/L



TE Part #1367369-1
BUSBAR CONNECT W/CLINCH NUTS



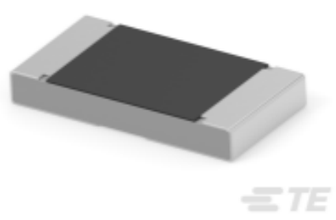
TE Part #2176331-2
CRGP 2512 12R 1%



TE Part #2-2176422-3
TLRP 2512 3.0W R020 1% 25PPM 4K RL



TE Part #4-1879233-5
SMW5 6R8 5%



TE Part #7-2176526-7
3503G 2B 316R 1% 5K RL

Documents

Product Drawings

3504G 3A 7K5 1% 1K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-2176531-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176531-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-2176531-1_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