3504G3A2K0FTDF ✔ ACTIVE

CGS | CGS 3504

TE Internal #: 5-2176530-5

Power Resistor, Thin Film, 2512, 6 W, 2K ohm, 1 %, ±50 ppm/°C, Solder, 2 Termination, Height .43 mm [.017 in], Length 6.3 mm [.248 in], CGS 3504

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Element Type: **Thin Film**

Package Size Code: **2512**

Power Rating: **6 W**

Resistance Value: **2K Ω**

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
Power Rating	6 W
Resistance Value	2K Ω
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

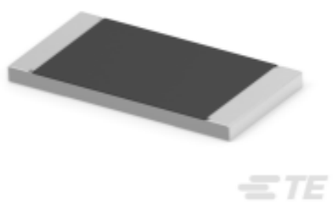
For compliance documentation, visit the product page on TE.com>

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: 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

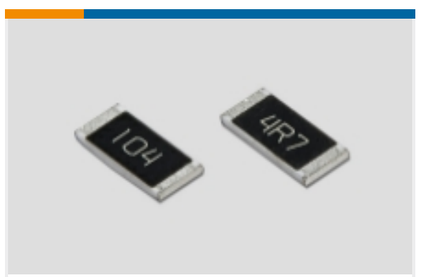
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



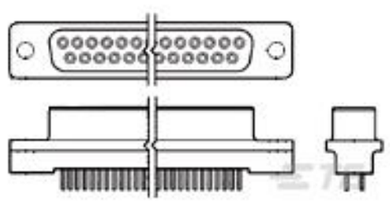
TE Part # 5-2176533-5
3504G 3A 2K0 1% 4K RL

Also in the Series | CGS 3504



Surface Mount Resistors(534)

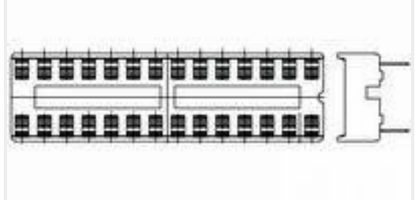
Customers Also Bought



TE Part #5745076-3
HD-20 RCPT 9P VERT FFSCRLK



TE Part #5745071-1
HD-20 PLUG 9P VERT FFSCRLK

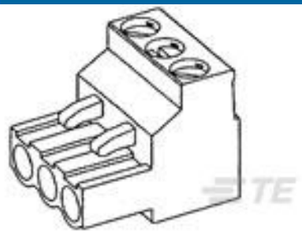


TE Part #1-2199298-2
8P,DIP SKT,300 CL,LDR,PB FREE



TE Part #2318770-3
TWO-PIECE POKE-IN, 5MM HEADER, 3 POS

TE Part #1825910-6
FSM4JH=6MM TACT SWITCH, HIGH TEMP



TE Part #1-796634-2
12 POS 5.08MM R/A PLUG,TRM BLK



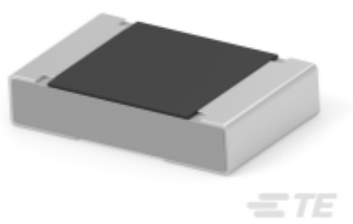
TE Part #1-1437653-3
6PCV-08-006=6PCV ASSEMBLY



TE Part #8-1437653-0
6PCV-16-006=6PCV ASSEMBLY



TE Part #4-1437655-5
6WWV-03-008=#6 TRIBARRIER TERM



TE Part #2-2176529-9
3504G 3A 100R 1% 1K RL

Documents

Product Drawings

3504G 3A 2K0 1% 1K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_5-2176530-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2176530-5_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_5-2176530-5_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

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Global Electronic Components Distributor

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TE Connectivity:

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