# 3504G3A20K5FTDF ACTIVE

## CGS | CGS 3504

TE Internal #: 5-2176531-3

Power Resistor, Thin Film, 2512, 6 W, 20.5K 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:  $20.5K \Omega$ 

### **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	20.5Κ Ω
Resistance Class	$1k\Omega - 1M\Omega$
Passive Component Tolerance	1 %
Termination Features	
Surface Mount Resistor Termination Type	Solder

2

Number of Terminations



#### **Dimensions**

Product Height	.43 mm[.017 in]
Product Length	6.3 mm[.248 in]
Product Width	3.1 mm[.122 in]
Usage Conditions	

#### 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

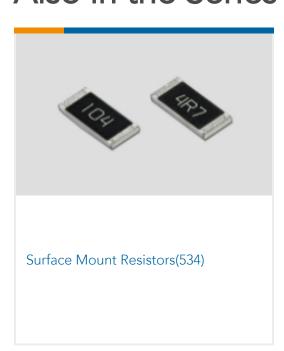
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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





# Also in the Series | CGS 3504



## **Documents**

**Product Drawings** 

3504G 3A 20K5 1% 1K RL

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_5-2176531-3\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5-2176531-3\_A.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5-2176531-3\_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