



Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 1K  $\Omega$

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            | 1K $\Omega$               |
| Power Rating                | 6 W                       |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| 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)<br>Candidate List Declared Against: JAN 2025 (247)<br>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

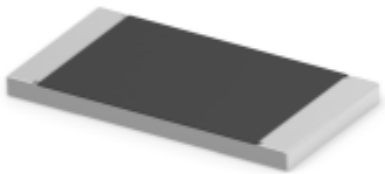
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

3504G3A1K0FTDF

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





TE Part # 2-2176533-6

3504G 3A 1K0 1% 4K RL

Also in the Series | CGS 3504



Surface Mount Resistors(534)

Customers Also Bought



TE Part #3-641209-6

06P MTA156 HDR ASSY FL ST LF



TE Part #001-0012

ANTENNA, 2.4/5.5 GHz Dipole, IP67



TE Part #3-641213-7

07P MTA100 HDR ASSY PO/ST LF



TE Part #350825-4

03P UMNL HDR ASSY PC 94VO LF



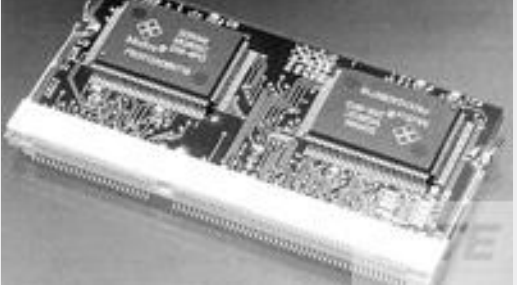
TE Part #1879214-5

CPF 0402 357R 0.1% 25PPM 1K RL



TE Part #5499141-1

A/L UNIV HDR 10P RA LAT



TE Part #6-390113-1

SKT, SODIMM, 144P, SDRAM 3.3V, STD, T&R



TE Part #1-1761607-6

IDC LOW PRO HDR 60P RA LAT



TE Part #2169809-1

IMP, Power, 4PR, VR, Tin



TE Part #841292-000

TTMS-2.4-9





Documents

Product Drawings

3504G 3A 1K0 1% 1K RL

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2-2176530-6\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176530-6\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176530-6\_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