# CRGH0805F510R ✔ ACTIVE

NEOHM | NEOHM CRGH

TE Internal #: 1-2176436-4

510 ohm, Thick Film, General Purpose Resistor, 1 %, 0805, .33 W, ±100 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, NEOHM CRGH

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **0805**

Power Rating: **.33 W**

Resistance Value: **510 Ω**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | General Purpose Resistor |
| Element Type | Thick Film |
| Package Size Code | 0805 |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 150 V |
| Power Rating | .33 W |
| Resistance Value | 510 Ω |
| Resistance Class | Up to 1kΩ |
| Passive Component Tolerance | 1 % |

### Termination Features

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|---|---|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations | 2 |

## Dimensions

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|---|---|
| Product Height | .55 mm[.022 in] |
| Product Length | 2 mm[.079 in] |
| Product Width | 1.25 mm[.049 in] |

## Usage Conditions

| | |
|---|---|
| Temperature Coefficient | ±100 ppm/°C |

## Packaging Features

| | |
|---|---|
| Packaging Method | Taped & Reeled |

## Product Compliance

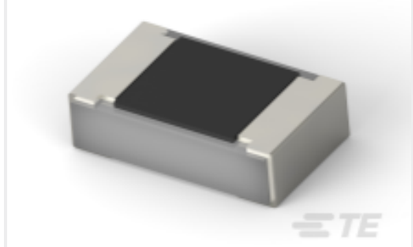
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°C |

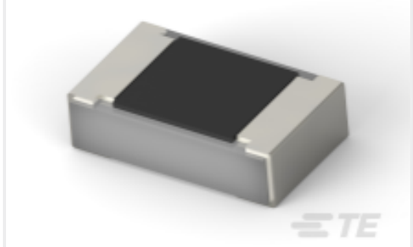
Product Compliance Disclaimer

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

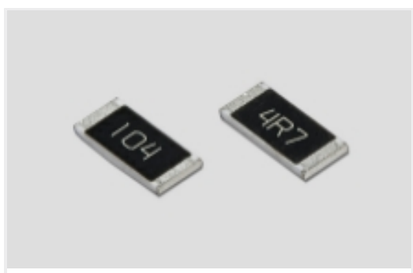


TE Part # 1-2176436-3
CRGH0805 1% 430R 0.33W



TE Part # 1-2176436-5
CRGH0805 1% 620R 0.33W

## Also in the Series | NEOHM CRGH




Surface Mount Resistors(3655)

## Customers Also Bought



TE Part #1-830611-0
LGH 1/2 SNGL MLD END



TE Part #9-1625971-5
HSA25 R01 10%



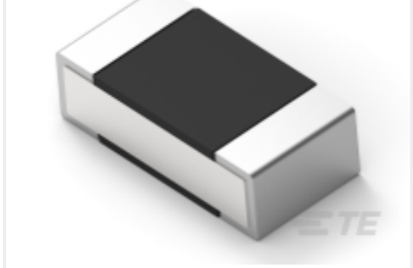
TE Part #1-1879353-9
RR02 5% 24K AMMO



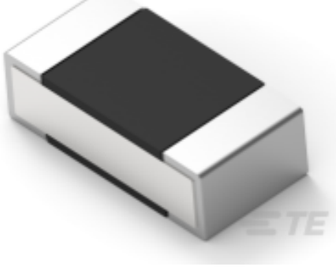
TE Part #7-1879354-5
RR03 5% 390R AMMO



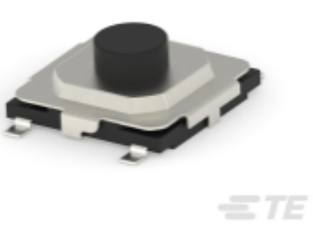
TE Part #7-1879648-1
H4P 287R 0.5% 100PPM



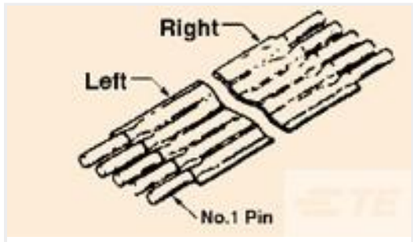
TE Part #7-2176305-3
RP 1E 0.1W 604R 0.1% 25PPM 5K RL



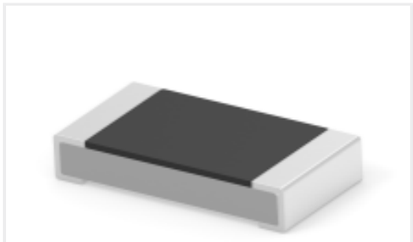
TE Part #3-2176307-2
RP 1E 0.1W 26K1 0.1% 25PPM 5K RL



TE Part #2337238-3
TACT MINI GW 5.2X5.2X2 160GF




TE Part #3-1437162-8
FSP-12A-11



TE Part #2-2176392-9
RQ 1206 261K 0.1% 10PPM 5K RL

# Documents

## Product Drawings

CRGH0805 1% 510R 0.33W

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_1-2176436-4_BA1.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-2176436-4_BA1.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1-2176436-4_BA1.3d_stp.zip

English

### 3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

### High Power Thick Film Chip Resistors

English