CRG0402F510R ✔ ACTIVE

NEOHM | NEOHM CRG

TE Internal #: 7-1676480-1

510 ohm, Thick Film, General Purpose Resistor, 1 %, 0402, .063 W, ±100 ppm/°C, Solder, 2 Terminations, .35 mm [.014 in] Height, NEOHM CRG

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **0402**

Power Rating: **.063 W**

Resistance Value: **510 Ω**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	0402

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	50 V
Power Rating	.063 W
Resistance Value	510 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.35 mm[.014 in]
Product Length	1 mm[.039 in]
Product Width	.5 mm[.02 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	Out of Scope
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) Candidate List Declared Against: JUNE 2025 (250) 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 # 1-1622826-8
CRG0402 5% 1K0



TE Part # 1676480-1
CRG0402 1% 100K



TE Part # 1623404-1
CRG1206 1% 10K

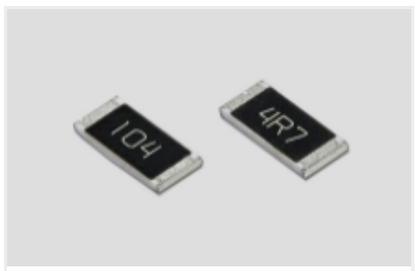


TE Part # 1622829-1
CRG0603 1% 10K



TE Part # 1623097-1
CRG0805 1% 10K

Also in the Series | NEOHM CRG

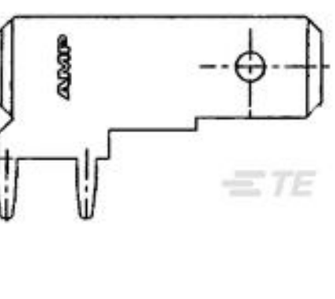


Surface Mount Resistors(615)

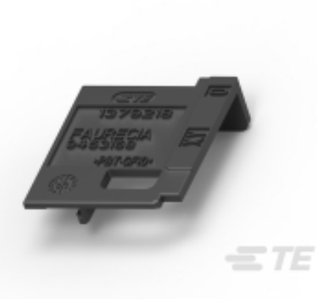
Customers Also Bought



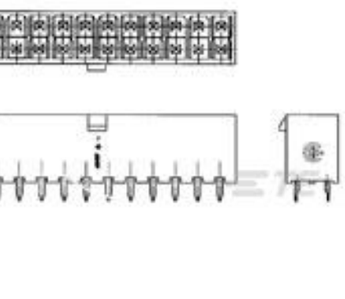
TE Part #001-0002-L
ANTENNA,900 MHZ, Dipole



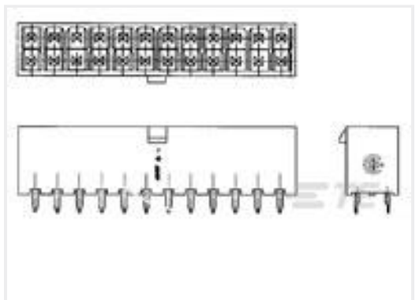
TE Part #1217754-1
250 FASTON,FLAG,PCB TAB,TNBR



TE Part #1379218-2
COVER FOR 5W MPQ+MQS HSG



TE Part #1-1586037-6
16P VERT HDR VAL-U-LOK V2



TE Part #2-1586037-0
20P VERT HDR VAL-U-LOK V2



TE Part #7-1879061-4
CPF 0402 10K 0.1% 25PPM 5K RL



TE Part #2007464-1
SFP+ 1x1 Cage Assy, PF,with Heatsink



TE Part #1-2176156-4
TLM 1206 0.5W R01 1% 100PPM 5K RL



TE Part #2199249-3
Shield Finger, Loose Piece, Type B, 2.0 h



TE Part #6116173-4
INV MJ,1X1,PNL GRD,SHLD,LED (Y/G)

Documents

Product Drawings

CRG0402 1% 510R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-1676480-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-1676480-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-1676480-1_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

Thick Film Chip Resistors - Type CRG series

English