CRGH0805F82R ✔ ACTIVE

NEOHM | NEOHM CRGH

TE Internal #: 9-1879512-5

82 ohm, Thick Film, Chip Resistor, 1 %, 0805, .33 W, ±200 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, 2 mm [.079 in] Length, NEOHM CRGH

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Chip Resistor**

Element Type: **Thick Film**

Package Size Code: **0805**

Power Rating: **.33 W**

Resistance Value: **82 Ω**

Features

Product Type Features

Resistor Type	Chip 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	82 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	.55 mm[.022 in]
Product Length	2 mm[.079 in]
Product Width	1.25 mm[.049 in]

Usage Conditions

Temperature Coefficient	±200 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) 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 # 6-1879501-0
CRGH2512 5% 300R 2W



TE Part # 3-1879523-9
CRGH2512 1% 24R9 2W



TE Part # 1-1879502-0
CRGH2512 5% 33K 2W

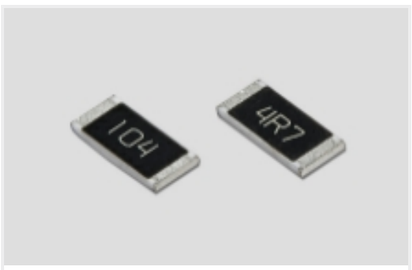


TE Part # 9-1879510-1
CRGH0805 1% 10K 0.33W



TE Part # 1879513-1
CRGH1206 1% 10R 0.5W

Also in the Series | NEOHM CRGH

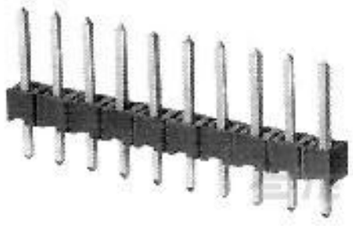


Surface Mount Resistors(3655)

Customers Also Bought



TE Part #5-146274-5
05 MODII HDR SRST B/A .100CL



TE Part #825433-5
MOD 2 PINHDR 1X5 P.



TE Part #2-826925-0
MOD 2 PIN HDR.1X20P



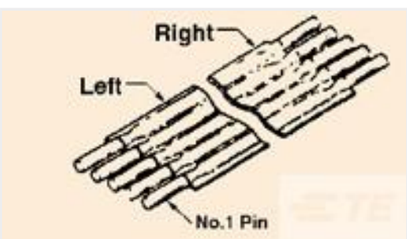
TE Part #826947-6
6P MOD2 STIFT LEI



TE Part #881545-1
SHUNT LP W/HANDLE 2POS 15AU



TE Part #1393239-8
RT114006



TE Part #6-1437166-9
FSP-22A-4



TE Part #1623141-1
CRG0805 1% 1M0



TE Part #1825232-1
SLIDE SWITCH,SPDT,Right Angle



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

Documents

Product Drawings

CRGH0805 1% 82R 0.33W

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-1879512-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-1879512-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-1879512-5_BA.3d_stp.zip

English

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