35506K8JT ✔ ACTIVE

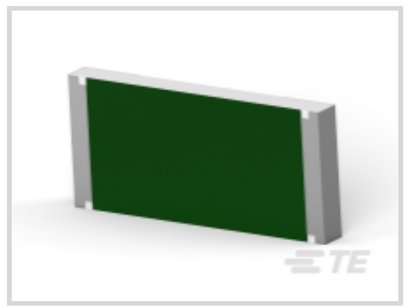
CGS | CGS 3550

TE Internal #: 1-2176405-8

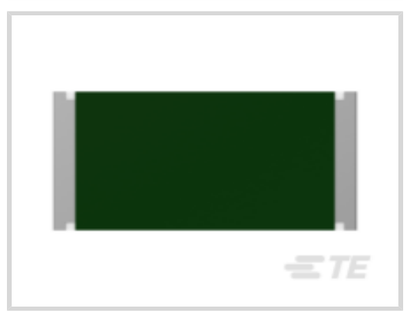
6.8K ohm, Thick Metal Film, Power Resistor, 5 %, 5 W, ±100 ppm/°C, Solder, 2 Terminations, 1.1 mm [.043 in] Height, 11 mm [.433 in] Length, CGS 3550

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors







Resistor Type: **Power Resistor**

Element Type: **Thick Metal Film**

Power Rating: **5 W**

Resistance Value: **6.8K Ω**

Resistance Class: **1kΩ – 1MΩ**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Metal Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	300 V
Power Rating	5 W
Resistance Value	6.8K Ω
Resistance Class	1kΩ – 1MΩ
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	1.1 mm[.043 in]
Product Length	11 mm[.433 in]
Product Width	5 mm[.197 in]

Usage Conditions

Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

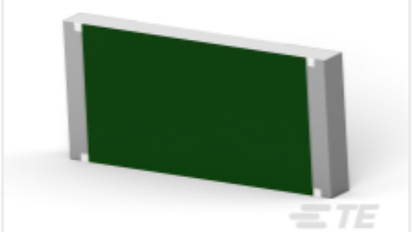
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not 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

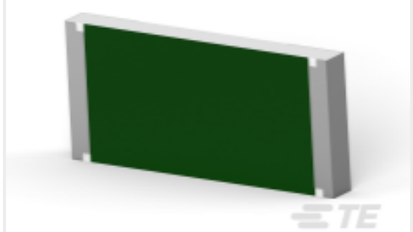
Product Compliance Disclaimer

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

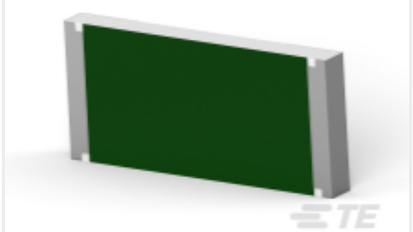
Compatible Parts



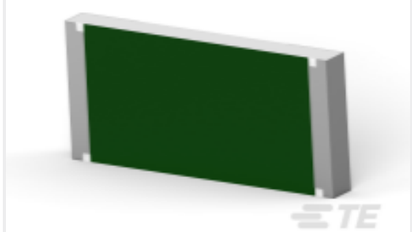
TE Part # 3-2176403-1
3550 18R 1%



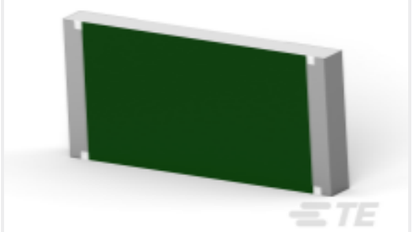
TE Part # 8-2176403-0
3550 2K0 1%



TE Part # 8-2176403-3
3550 2K7 1%

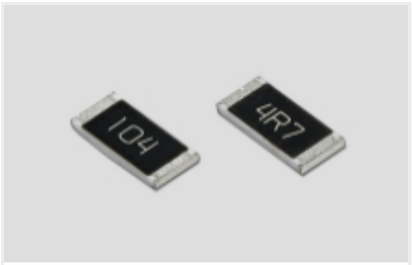


TE Part # 3-2176403-2
3550 20R 1%



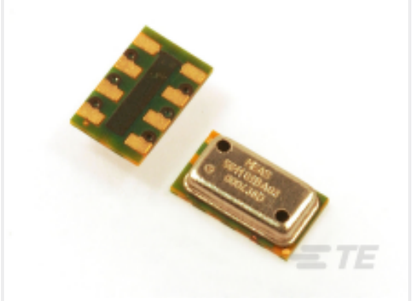
TE Part # 4-2176403-1
3550 47R 1%

Also in the Series | CGS 3550

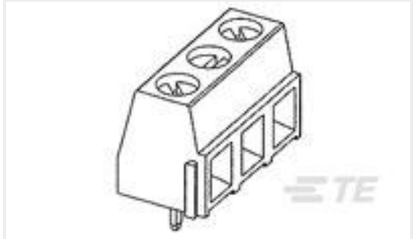


Surface Mount Resistors(254)

Customers Also Bought



TE Part #MS561101BA03-50
MS5611 BAROMETRIC SENSOR CM T&R



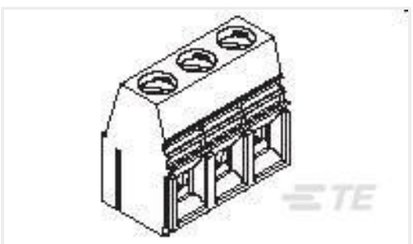
TE Part #282837-2
TERMI-BLOK PCB MOUNT 2P



TE Part #3-640440-2
02P MTA100 CONN ASSY 22AWG RED



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



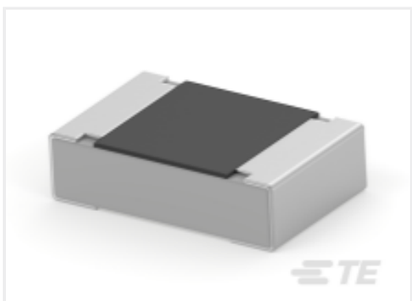
TE Part #1986660-2
2 Posn Power Connector, Green, 10.16 mm



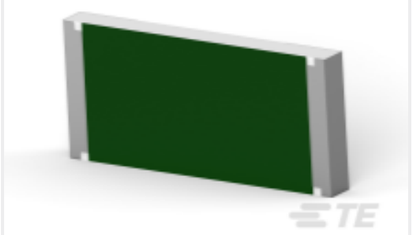
TE Part #4-2176337-8
CRGCQ 0402 82K 1%



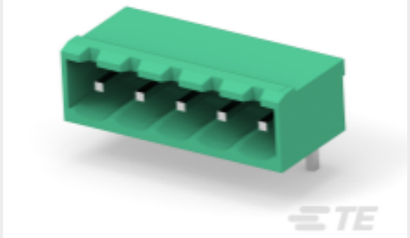
TE Part #1-2176341-7
CRGCQ 0805 220R 1%



TE Part #1-2176342-7
CRGCQ 0805 470R 5%



TE Part #2176405-2
3550 330R 5%



TE Part #2350513-5
5POS TB HDR 90 DEG, PITCH 5.0 & TL 4.5mm

Documents

Product Drawings

3550 6K8 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176405-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176405-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176405-8_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMD HIGH POWER RESISTORS - TYPE 3550 SERIES

English