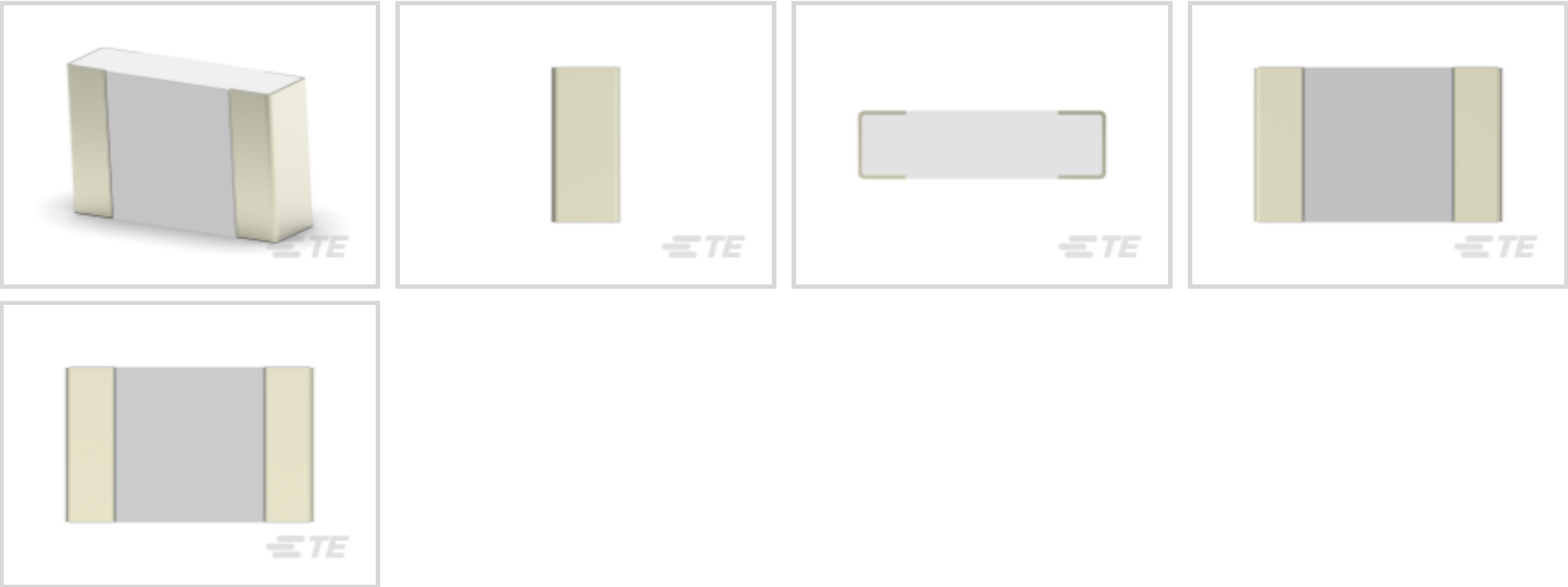




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**
Element Type: **Thick Film**
Package Size Code: **0805**
Power Rating: **.5 W**
Resistance Value: **8.2 Ω**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	150 V
Power Rating	.5 W
Resistance Value	8.2 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

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	±400 ppm/°C
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Packaging Features

Packaging Method	Taped & Reeled
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Product Compliance

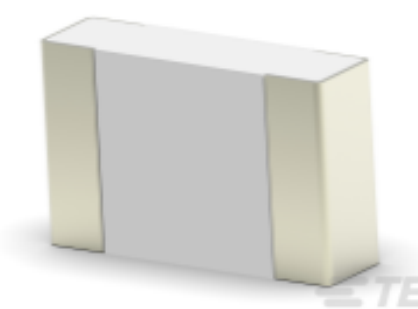
For compliance documentation, visit the product page on TE.com>

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	Restricted Materials 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

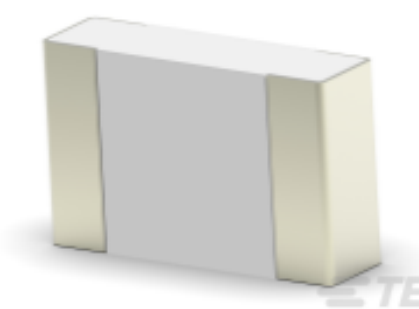
Product Compliance Disclaimer

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 # 1-2176244-1
CRGS0805 5% 6R8



TE Part # 1-2176244-3
CRGS0805 5% 10R

Also in the Series | NEOHM CRGS



Surface Mount Resistors(208)

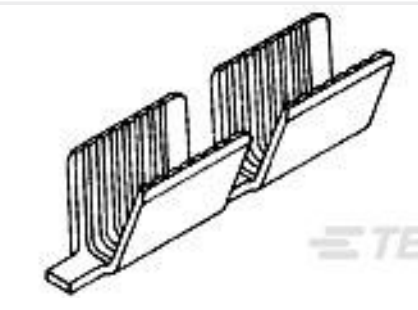
Customers Also Bought



TE Part #61085-1
.156 MNL SOK PTPBR



TE Part #61299-2
SPLICE 7000-12500 .032 TPBR



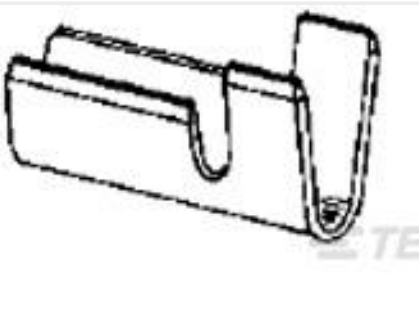
TE Part #62001-2
SPLICE AMVAR 3000-7000 020TPBR



TE Part #160181-2
RING TONGUE IS 3.1-5.3 MM2 TPBR



TE Part #2-324955-1
TERMINAL,SOLIS R 16-14 8



TE Part #925553-2
AM WIRE PIN 17-13 .013 PTPB



TE Part #964341-2
MAG MATE KONT. MKII



TE Part #1622214-1
LR0204 1% 30K



TE Part #1742857-1
TAB, PLAIN, 187 MAG-MATE SLIM



TE Part #2176805-1
BLIND PLUG, MINI SUPER SEAL CAVITY



Documents

Product Drawings

CRGS0805 5% 8R2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176244-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176244-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176244-2_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SMD Anti-Surge Thick Film Chip Resistor - Type CRGS Series - Tyco Electronics Passives

English