

CRGS2512J6M8 ✓ ACTIVE

Neohm | Neohm CRGS

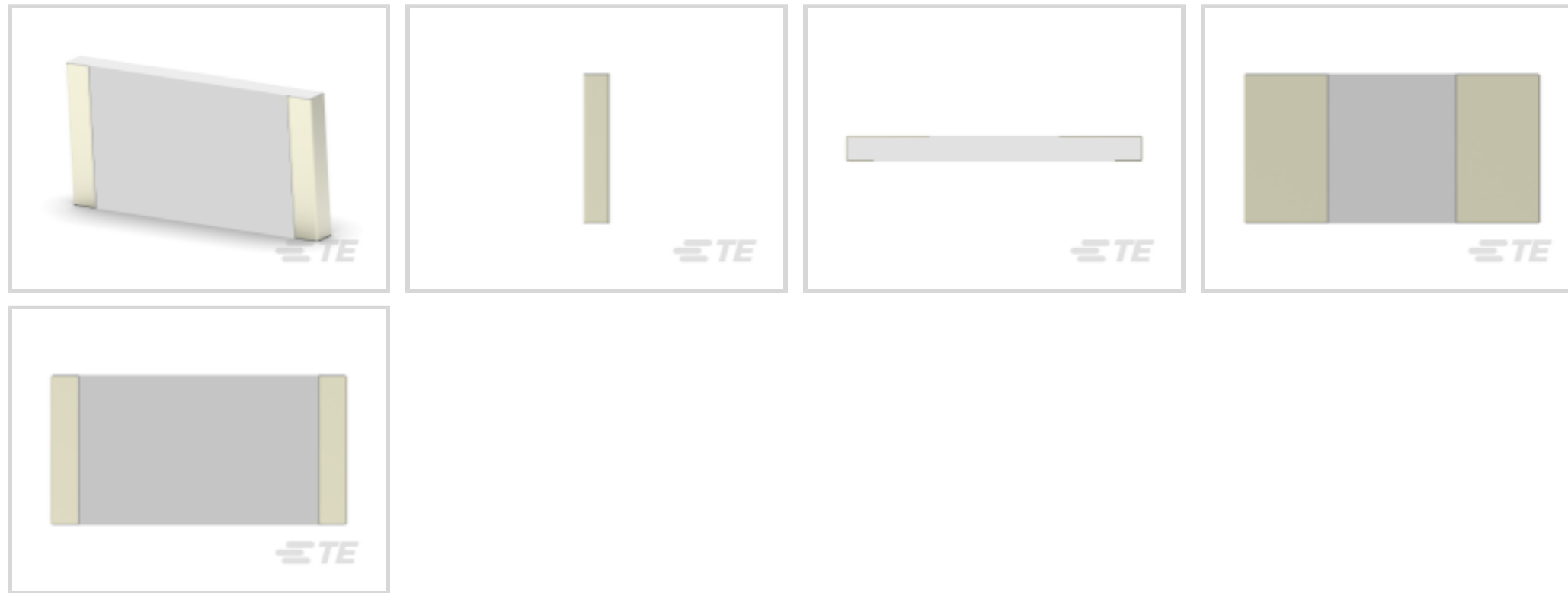
TE Internal #: 8-2176246-3

6.8M Ω , Thick Film, General Purpose Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 1.5 W, ± 100 ppm/ $^{\circ}\text{C}$, Solder, Neohm CRGS

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Package Size Code	2512
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	250 V
Passive Component Tolerance	5 %
Resistance Class	1M Ω – 1G Ω
Resistance Value	6.8M Ω
Power Rating	1.5 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Product Height	.55 mm[.022 in]
Product Length	6.35 mm[.25 in]
Product Width	3.2 mm[.126 in]

Usage Conditions

Temperature Coefficient	± 100 ppm/ $^{\circ}\text{C}$
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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	Compliant with Exemptions
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

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 # 8-2176246-4
CRGS2512 5% 8M2



TE Part # 8-2176246-2
CRGS2512 5% 5M6

Also in the Series | Neohm CRGS



Surface Mount Resistors(428)

Customers Also Bought



TE Part #1-1879234-0
SMF5 1K2 5%



TE Part #3-2176350-6
CRGCQ 2512 680K 5%



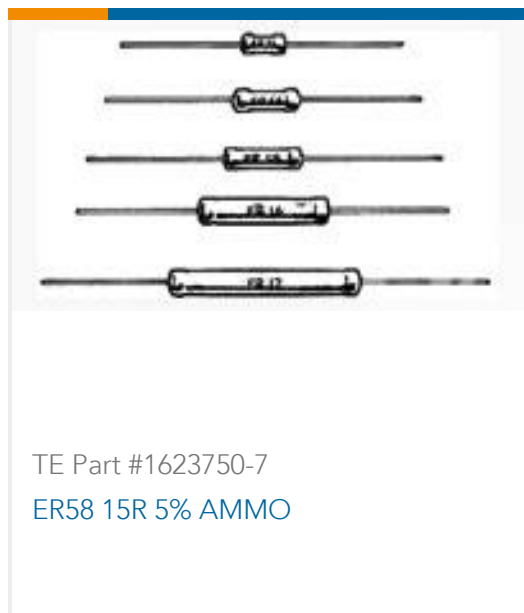
TE Part #9-1440002-8
SDT-S-109DMR2,000



TE Part #8-1614891-4
CPF 0805 536R 0.1% 25PPM 1K RL



TE Part #1-534206-4
28 MODII VRT DR CE 100/115



TE Part #1623750-7
ER58 15R 5% AMMO



TE Part #ZPF00000000096398
FDDBA 56-16-26 SW-K-A499



TE Part #ZPF000000000107794
FDDBA 56-16-26 SY-K-A499



TE Part #ZPF000000000101316
FDDBA 56-16-26 SZ-K-A499



TE Part #1622746-1
LR2 1% 3K6



Documents

Product Drawings

[CRGS2512 5% 6M8](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_8-2176246-3_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-2176246-3_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-2176246-3_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