35221M0FT ✔ ACTIVE

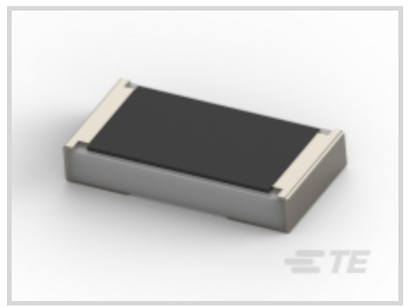
CGS | CGS 3522

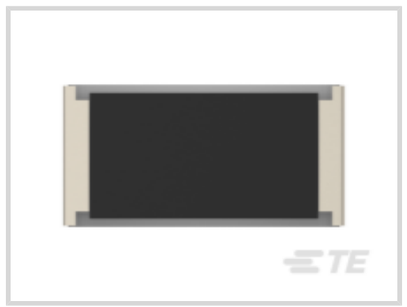
TE Internal #: 2-2176232-2

1M ohm, Thick Film, Power Resistor, 1 %, 2512, 3 W, ±100 ppm/°C, Solder, 2 Terminations, 1.1 mm [.043 in] Height, 6.35 mm [.25 in] Length, CGS 3522

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 3 Watt, 1% Tol







Resistor Type: **Power Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **3 W**

Resistance Value: **1M Ω**

All SMD Power Resistor: 3 Watt, 1% Tol (140)

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Film
Package Size Code	2512

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	3 W
Resistance Value	1M Ω
Resistance Class	1MΩ – 1GΩ
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder

Number of Terminations	2

Dimensions

Product Height	1.1 mm[.043 in]
Product Length	6.35 mm[.25 in]
Product Width	3.2 mm[.126 in]

Usage Conditions

Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

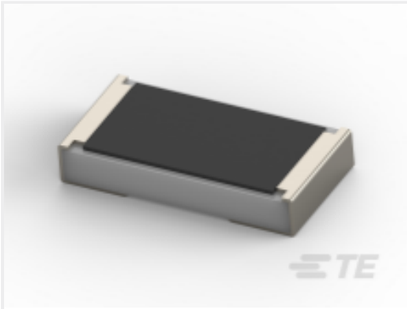
For compliance documentation, visit the product page on TE.com>

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

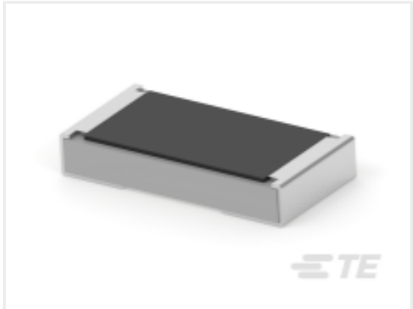
Product Compliance Disclaimer

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

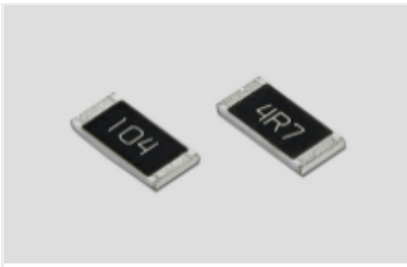


TE Part # CAT-C339-A76B
SMD Power Resistor: 3 Watt, 1% Tol



TE Part # 4-2176230-2
3522 2K2 5% 3W

Also in the Series | CGS 3522

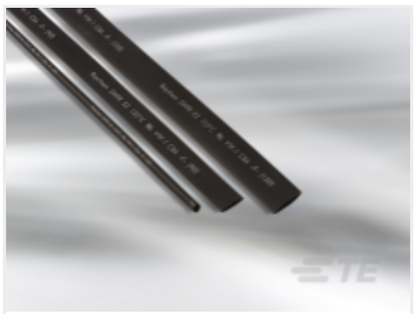


Surface Mount Resistors(211)

Customers Also Bought



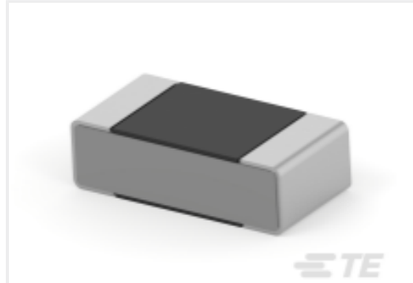
TE Part #294711-E
STVM 24-8 F ABC VVV 7-00 TL 4,0 * 247 E0



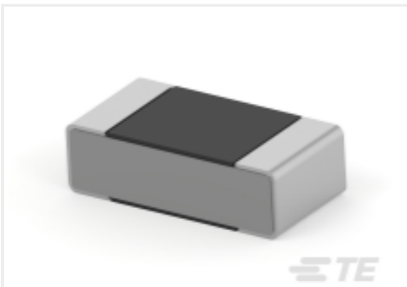
TE Part #EM7492-000
X2-11.0-0-FSP-SM



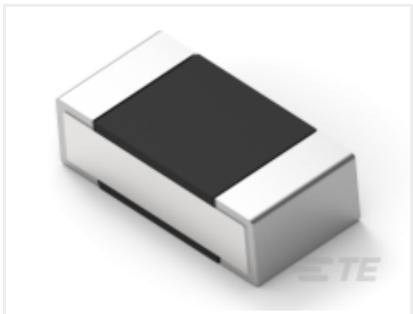
TE Part #151458
TERMINAL R T PIDG NYL AWG 22 #



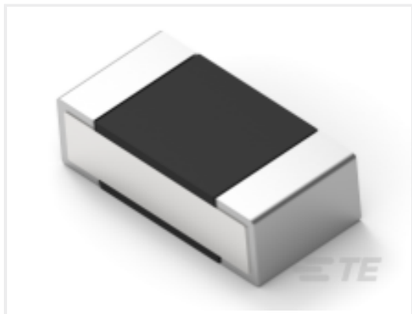
TE Part #1879127-3
RN 0402 249R 0.1% 10PPM 5K RL



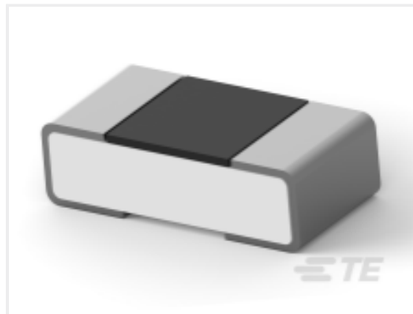
TE Part #9-1879127-0
RN 0402 499R 0.1% 10PPM 5K RL



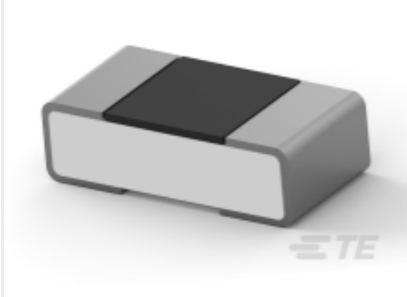
TE Part #2-2176307-8
RP 1E 0.1W 23K7 0.1% 25PPM 5K RL



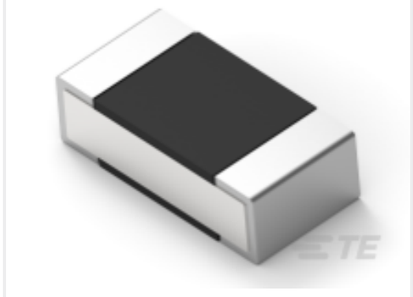
TE Part #5-2176307-7
RP 1E 0.1W 47K5 0.1% 25PPM 5K RL



TE Part #2176363-7
RQ 0402 499R 0.1% 10PPM 5K RL



TE Part #5-2176364-2
RQ 0402 15K8 0.1% 10PPM 5K RL



TE Part #2-2176305-2
RP 1E 0.1W 178R 0.1% 25PPM 5K RL

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_2-2176232-2_BA1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2-2176232-2_BA1.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2176232-2_BA1.2d_dxf.zip

English

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

Datasheets & Catalog Pages

SMD POWER RESISTORS - TYPE 3522 SERIES

English