SMQF1510RJT ✔ ACTIVE

CGS | CGS SMQ

TE Internal #: 1-2176618-0

Power Resistor, Metal Film, 1 W, 510 Ω, 5 %, ±100 ppm/°C, Solder, 2 Termination, Height .14 in [3.55 mm], Length .264 in [6.7 mm], CGS SMQ

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors

Resistor Type: **Power Resistor**

Element Type: **Metal Film**

Power Rating: **1 W**

Resistance Value: **510 Ω**

Resistance Class: **Up to 1kΩ**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Metal Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	300 V
Power Rating	1 W
Resistance Value	510 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	3.55 mm[.14 in]
Product Length	6.7 mm[.264 in]
Product Width	4 mm[.157 in]

Usage Conditions

Operating Temperature Range	-55 - 150 °C
Temperature Coefficient	±100 ppm/°C

Packaging Features

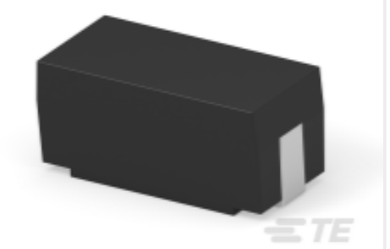
Packaging Method	Taped & Reeled

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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	Reflow solder capable to 260°C

Compatible Parts



TE Part # 2176618-9
SMQF1W 470R 5%

TE Part # 1-2176618-1
SMQF1W 560R 5%

Also in the Series | CGS SMQ

Surface Mount Resistors(528)

Documents

Product Drawings

SMQF1W 510R 5%

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-2176618-0_BA.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176618-0_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176618-0_BA.3d_igs.zip

English

Datasheets & Catalog Pages

SMD_MOULDED_POWER_RESISTOR

English