

SMF7510KJT ✓ ACTIVE

CGS | CGS SM

TE Internal #: 6-2176460-5

Surface Mount Resistors, Power Resistor, 2 Termination, Taped & Reeled, 5%, Metal Film, Resistance Range 1k Ω – 1M Ω Ω , 510K Ω , 7 W

[View on TE.com >](#)



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 7 Watt, 200-2M Ohm



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Surface Mount Resistor Packaging Method: **Taped & Reeled**

Surface Mount Resistor Tolerance: **5%**

Element Type: **Metal Film**

[All SMD Power Resistor: 7 Watt, 200-2M Ohm \(340\)](#)

Features

Product Type Features

Product Type	Fixed Resistor
Element Material	Metal Film
Resistor Type	Power Resistor
Element Type	Metal Film

Configuration Features

Number of Resistors	1
---------------------	---

Electrical Characteristics

Voltage Rating	750 V
Surface Mount Resistor Tolerance	5%
Resistance Range	1k Ω – 1M Ω Ω
Surface Mount Resistor Resistance	510K Ω
Surface Mount Resistor Power Rating	7 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Mechanical Attachment

Mount Style	Surface Mount
-------------	---------------

Dimensions

Surface Mount Resistor Dimensions	23 x 9.5 x 9.6 mm
-----------------------------------	-------------------

Usage Conditions

Temperature Coefficient	± 100 ppm/ $^{\circ}\text{C}$
-------------------------	-----------------------------------

Packaging Features

Surface Mount Resistor 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: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) 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 $^{\circ}\text{C}$

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 Model / Part # CAT-C339-SM1
SMD Power Resistor: 7 Watt, 200-2M Ohm


Also in the Series | CGS SM




Battery Holders(1)



Expanded Beam Fiber Optics(9)




LC Connectors(2)



RJ14 Connectors(1)




RJ22 Connectors(1)



RJ25 Connectors(1)



RJ45 Connectors(3)



SD Card Connectors(1)



Surface Mount Resistors(545)

Customers Also Bought



Documents

Product Drawings

[SMF 7W 510K 5% Taped](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-2176460-5_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-2176460-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-2176460-5_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

SMF7510KJT

Surface Mount Resistors, Power Resistor, 2 Termination, Taped & Reeled, 5%, Metal Film, Resistance Range 1k Ω – 1M Ω , 510K Ω , 7 W



SMD Moulded Power Resistor - Type SM Series - Tyco Electronics Passives

English