



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 7 Watt, 0.10-500 Ohm



Resistor Type: **Power Resistor**

Number of Terminations: **2**

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

Surface Mount Resistor Tolerance: **5%**

Element Type: **Wirewound**

[All SMD Power Resistor: 7 Watt, 0.10-500 Ohm \(97\)](#)

Features

Product Type Features

Product Type	Fixed Resistor
Element Material	Wire Wound
Resistor Type	Power Resistor
Element Type	Wirewound

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Surface Mount Resistor Tolerance	5%
Resistance Range	Up to 1kΩ Ω
Surface Mount Resistor Resistance	.68 Ω
Surface Mount Resistor Power Rating	7 W

Termination Features

Number of Terminations	2
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Surface Mount Resistor Termination Type	Solder
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Mechanical Attachment

Mount Style	Surface Mount
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Dimensions

Surface Mount Resistor Dimensions	23 x 9.5 x 9.6 mm
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Usage Conditions

Temperature Coefficient	± 200 ppm/ $^{\circ}\text{C}$
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Packaging Features

Surface Mount Resistor 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
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 $^{\circ}\text{C}$

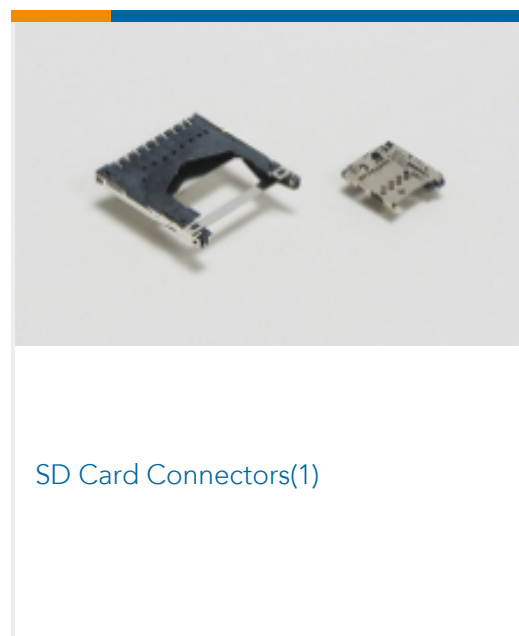
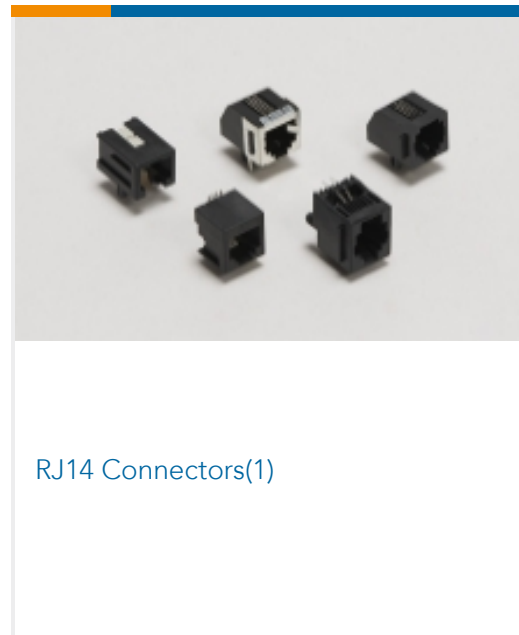
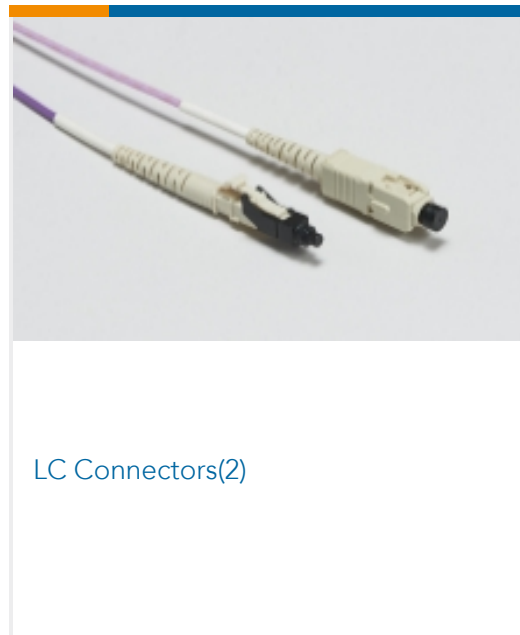
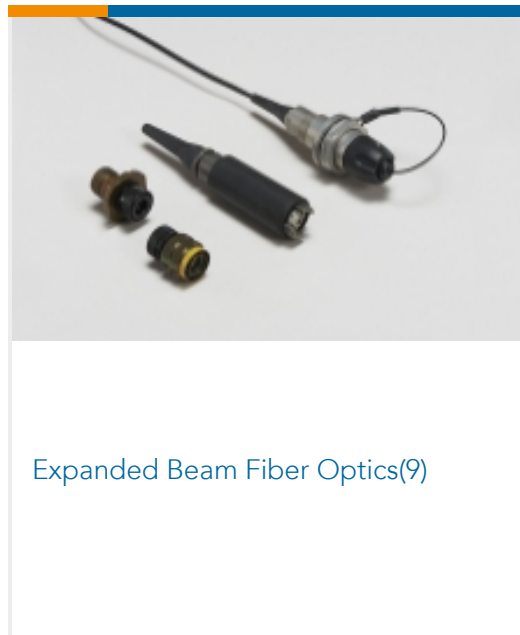
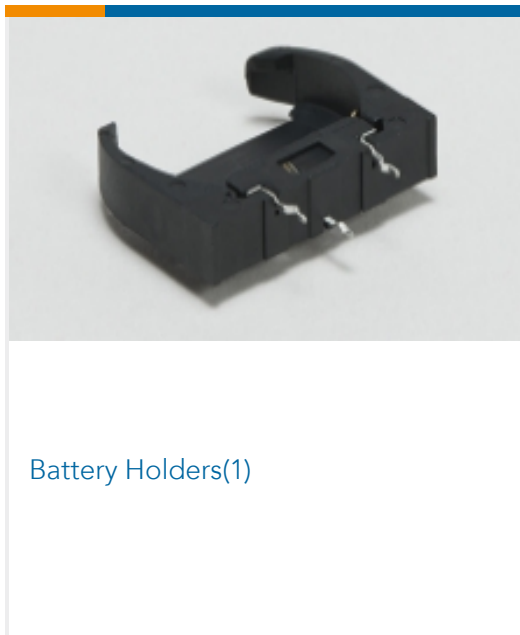
Product Compliance Disclaimer

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



Also in the Series | CGS SM



Customers Also Bought





Documents

Product Drawings

SMW 7W R68 5% Taped

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-2176459-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176459-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176459-1_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

English