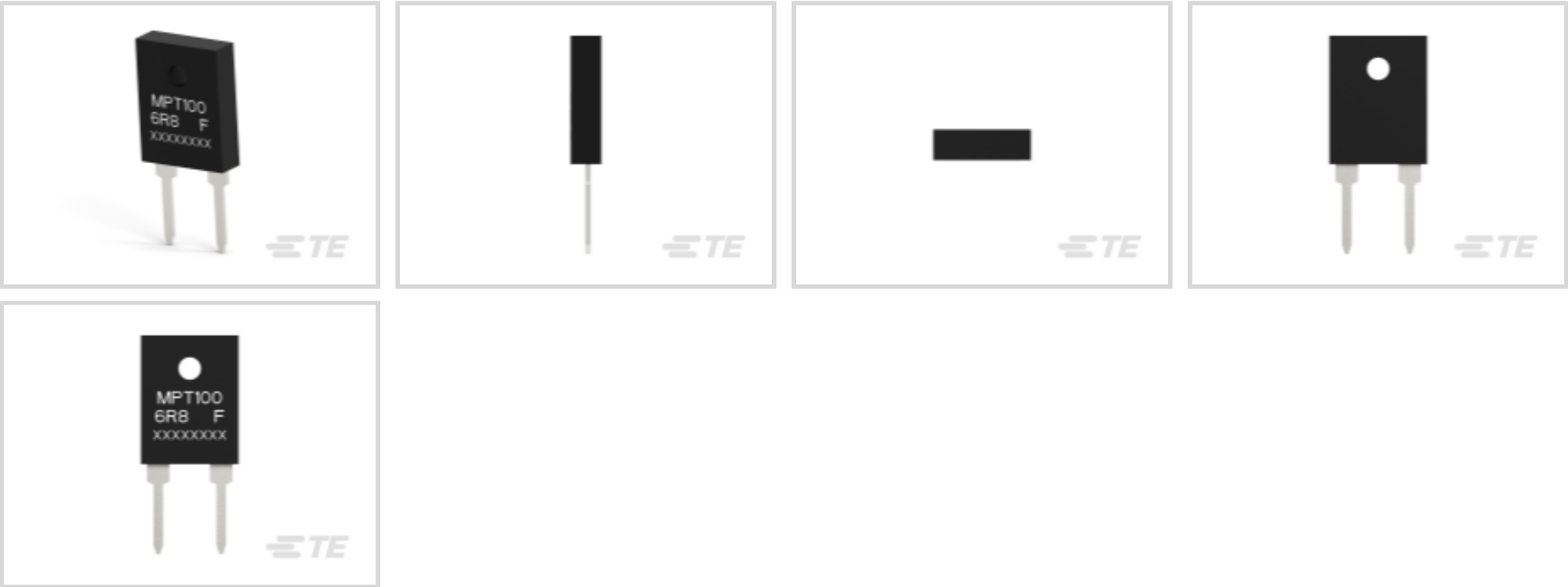




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **15.75 x 20.7 x 4.95 mm**

Number of Terminations: **2**

Package Size Code: **TO247**

Packaging Method: **Tube**

Features

Product Type Features

Resistor Type	Power Resistor
Package Size Code	TO247
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	700 V
Passive Component Tolerance	1 %
Resistance Class	1k Ω – 1M Ω
Resistance Value	8.2K Ω
Power Rating	100 W

Body Features

Lead Type	Radial-Leaded
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Termination Features

Number of Terminations	2
Termination Area Base Material	Copper

Dimensions

Passive Component Dimensions	15.75 x 20.7 x 4.95 mm
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Usage Conditions

Temperature Coefficient	± 50 ppm/ $^{\circ}\text{C}$
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Packaging Features

Packaging Method	Tube
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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: JUL 2021 (219) 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	Wave solder capable to 265 $^{\circ}\text{C}$

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

MPT100C8K2F

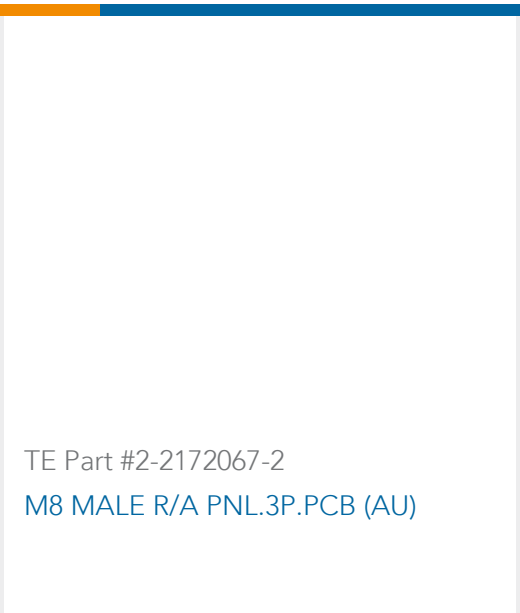
8.2K Ω , Thick Film, Power Resistor, 1 %, 15.75 x 20.7 x 4.95 mm, 2 Termination, TO247, Tube, 100 W, ± 50 ppm/ $^{\circ}$ C, Copper Termination, CGS MPT



Also in the Series | [CGS MPT](#)



Customers Also Bought



Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_7-2176429-8_BA.2d_dxf.zip](#)

[English](#)

MPT100C8K2F

8.2K Ω , Thick Film, Power Resistor, 1 %, 15.75 x 20.7 x 4.95 mm, 2 Termination, TO247, Tube, 100 W, ± 50 ppm/ $^{\circ}$ C, Copper Termination, CGS MPT



Customer View Model

[ENG_CVM_CVM_7-2176429-8_BA.3d_igs.zip](#)

English

Customer View Model

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Datasheets & Catalog Pages

[MPT-0518](#)

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