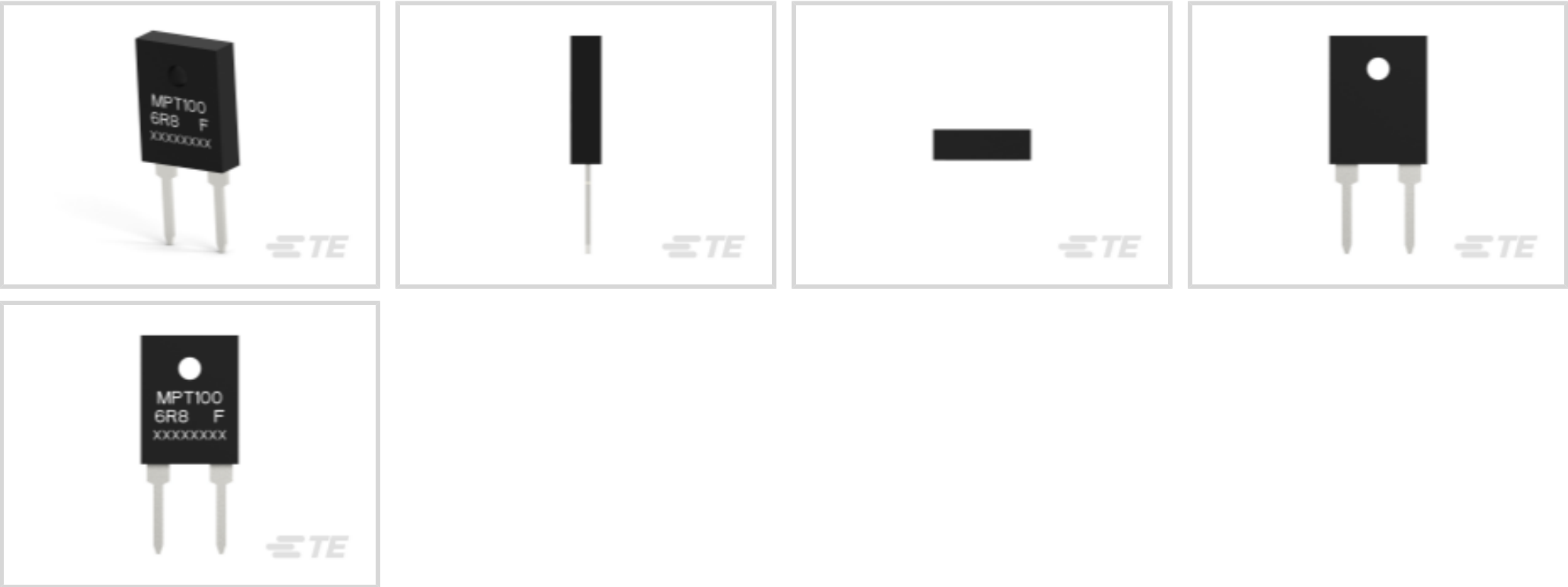




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Thick Film**

Package Size Code: **TO247**

Power Rating: **100 W**

Resistance Class: **Up to 1k Ω**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

| | |
|-----------------------------|-------------------|
| Operating Voltage | 700 V |
| Power Rating | 100 W |
| Resistance Class | Up to 1k Ω |
| Resistance Value | 22 Ω |
| Passive Component Tolerance | 5 % |

Body Features

| | |
|-----------|---------------|
| Lead Type | Radial-Leaded |
|-----------|---------------|



Termination Features

| | |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
| Number of Terminations | 2 |

Dimensions

| | |
|------------------------------|------------------------|
| Passive Component Dimensions | 15.75 x 20.7 x 4.95 mm |
|------------------------------|------------------------|

Usage Conditions

| | |
|-------------------------|----------------------------|
| Temperature Coefficient | ± 50 ppm/ $^{\circ}$ C |
|-------------------------|----------------------------|

Packaging Features

| | |
|------------------|------|
| Packaging Method | Tube |
|------------------|------|

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: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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 $^{\circ}$ 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 MPT](#)



Customers Also Bought



Documents

[Product Drawings](#)
[MPT100 22R 5%](#)

English

[CAD Files](#)
[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_1-2176429-5_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2176429-5_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2176429-5_BA.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[MPT-0518](#)

English