MPT100C8K2F ✔ ACTIVE

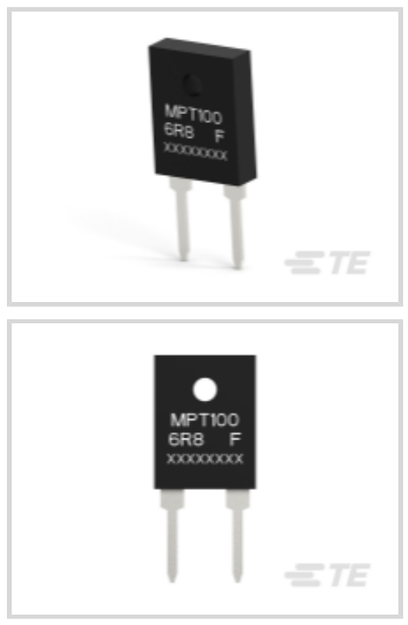
CGS | CGS MPT

TE Internal #: 7-2176429-8

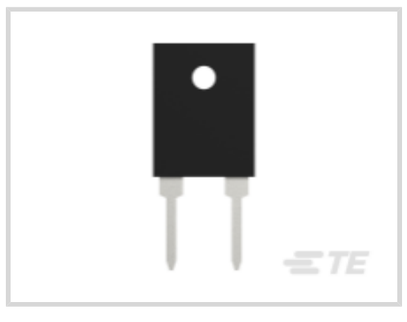
8.2K ohm, Through-Hole Power Resistor, Thick Film, TO247, 100 W, 1 %, ±50 ppm/°C, Radial-Leaded, Copper Termination, 15.75 x 20.7 x 4.95 mm, CGS MPT

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors







Resistance Value: **8.2K Ω**

Resistor Type: **Power Resistor**

Element Type: **Thick Film**

Package Size Code: **TO247**

Power Rating: **100 W**

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
Resistance Value	8.2K Ω
Power Rating	100 W
Resistance Class	1kΩ – 1MΩ
Passive Component Tolerance	1 %

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/°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 2025 (247) 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°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 Part # 7-2176429-9
MPT100 10K 1%

Also in the Series | CGS MPT



Through-Hole Resistors(171)

Customers Also Bought



TE Part #5-2176455-5
CPF 0402 402K 0.1% 25ppm 1K RL



TE Part #7-2176429-1
MPT100 2K2 1%



TE Part #6-2176429-4
MPT100 560R 1%



TE Part #2-2176429-5
MPT100 1K0 5%



TE Part #3-1879214-9
CPF 0402 825R 0.1% 25PPM 1K RL



TE Part #7-2176429-5
MPT100 4K7 1%



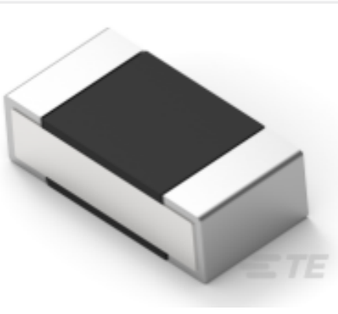
TE Part #6-2176429-6
MPT100 820R 1%



TE Part #5-1879216-1
CPF0402 255K 0.1% 25PPM 1K RL



TE Part #2176455-1
CPF 0402 4R22 0.1% 25ppm 1K RL



TE Part #9-2176305-2
RP 1E 0.1W 953R 0.1% 25PPM 5K RL

Documents

Product Drawings

MPT100 8K2 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-2176429-8_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-2176429-8_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-2176429-8_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

MPT-0518

English