MPT100C100RF ✔ ACTIVE

TE Internal #: 5-2176429-5

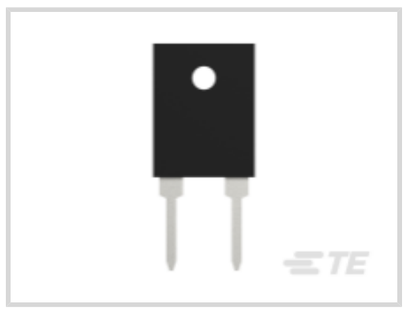
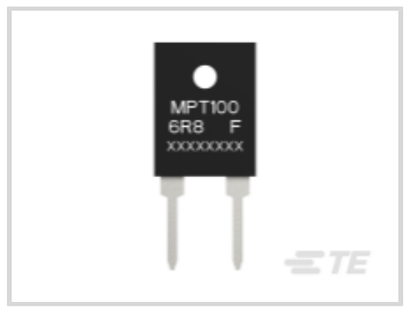
Through-Hole Resistors, Power Resistor, 15.75 x 20.7 x 4.95 mm, 2 Terminations, Size Code TO247, Tube, 1% Tolerance, Thick Film

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors





Resistor Type: **Power Resistor**

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

Number of Terminations: **2**

Size Code: **TO247**

Packaging Method: **Tube**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Size Code	TO247
Element Type	Thick Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Voltage Rating	700 V
Tolerance	1%
Resistance Class	Up to 1kΩ
Resistance	100 Ω
Power Rating	100 W

Body Features

Lead Type	Radial-Leaded

Termination Features

Number of Terminations	2
Termination Type	Tinned Copper Leads

Mechanical Attachment

Mount Style	Radial-Leaded

Dimensions

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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Lead monoxide (1% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for

substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 1-2176429-9
MPT100 100R 5%



TE Model / Part # 5-2176429-4
MPT100 82R 1%

Customers Also Bought



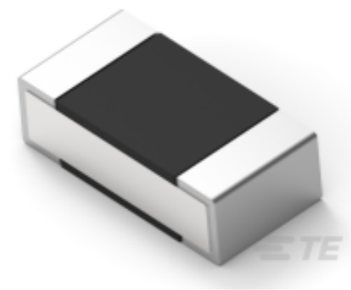
TE Model / Part #9-2176415-0
8W STD M/OX 5% 150K



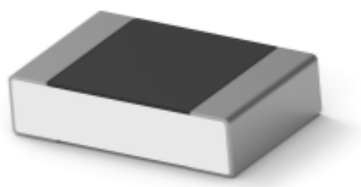
TE Model / Part #9-2176415-1
8W STD M/OX 5% 160K



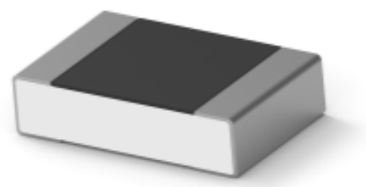
TE Model / Part #9-2176415-2
8W STD M/OX 5% 180K



TE Model / Part #8-2176307-7
RP 1E 0.1W 97K6 0.1% 25PPM 5K RL



TE Model / Part #6-2176378-1
RQ 0805 42R2 0.1% 10PPM 5K RL



TE Model / Part #9-2176378-0
RQ 0805 84R5 0.1% 10PPM 5K RL

Documents

Product Drawings

MPT100 100R 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2176429-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2176429-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2176429-5_BA.3d_stp.zip

English

Datasheets & Catalog Pages

MPT-0518

English

Product Environmental Compliance

REACH Substance Communication Document

English