



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **12.7 x 2.54 x 25.4 mm**

Number of Terminations: **2**

Packaging Method: **Loose Piece - Tray**

Passive Component Tolerance: **5 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	300 V
Passive Component Tolerance	5 %
Resistance Class	Up to 1kΩ
Resistance Value	10 Ω
Power Rating	5 W

Body Features

Passive Component Lead Type	Radial-Leaded
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Termination Features

Number of Terminations	2
Passive Component Termination Material Type	Tinned Copper Leads

Dimensions

Passive Component Dimensions	12.7 x 2.54 x 25.4 mm
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Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}$ C
Temperature Coefficient	$\pm$ 100 ppm/ $^{\circ}$ C

Packaging Features

Packaging Method	Loose Piece - Tray
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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: JUNE 2022 (224) 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

MPC52100J

10 Ω, Thick Film, Power Resistor, 5 %, 12.7 x 2.54 x 25.4 mm, 2 Termination, Loose Piece - Tray, 5 W, ±100 ppm/°C, CGS MPC



TE Part # 1623776-3
MPC5 1K0 5%

TE Part # 1-1623776-5
MPC5 50R 5%

TE Part # 1-1623776-6
MPC5 500R 5%

TE Part # 1623775-3
MPC10 1R0 5%

TE Part # 1623776-2
MPC5 100R 5%

Also in the Series | CGS MPC

Through-Hole Resistors(28)

Customers Also Bought

TE Part #0462-201-16141
DEUTSCH Solid Contacts

TE Part #1-6609037-1
3EMC1=F8126

TE Part #6609124-1
6VJ1 M0=F7552

TE Part #1-1571076-0
PRASA1-16F-BB0BW=POWER ROCKER

TE Part #1676402-2
RN 0805 64K9 0.1% 10PPM 1KRL

TE Part #NB19592001
RNF-100-3/16-WH-STK

TE Part #5555164-1
MJ,LPF,R/A,8P,TRAY

TE Part #443975-1
AMPLIMITE,RCPT ASY,POSTD,109,1

MPC52100J

10 Ω , Thick Film, Power Resistor, 5 %, 12.7 x 2.54 x 25.4 mm, 2 Termination, Loose Piece - Tray, 5 W, ± 100 ppm/ $^{\circ}\text{C}$, CGS MPC



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1623776-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1623776-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1623776-1_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

High Power Resistors - Type MPC Series

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English