MPC108503J ✔ ACTIVE

CGS | CGS MPC

TE Internal #: 1-1623775-4

50K ohm, Thick Film, Power Resistor, 5 %, 10 W, ±100 ppm/°C, Radial-Leaded, Copper Termination, 25.4 x 2.54 x 25.4 mm, Loose Piece - Tray, CGS MPC

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Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Thick Film**

Power Rating: **10 W**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **50K Ω**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	300 V
Power Rating	10 W
Resistance Class	1kΩ – 1MΩ
Resistance Value	50K 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	25.4 x 2.54 x 25.4 mm

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Tray

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	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (1.17% in 4684301) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 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 # 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 #926893-3
UNIV.M-N-L.SOCKET

Documents

Product Drawings

MPC10 50K 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1623775-4_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1623775-4_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1623775-4_BA.3d_stp.zip

English

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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