MPT35A1R0J ✔ ACTIVE

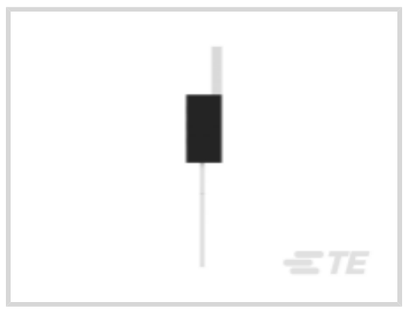
CGS | CGS MPT

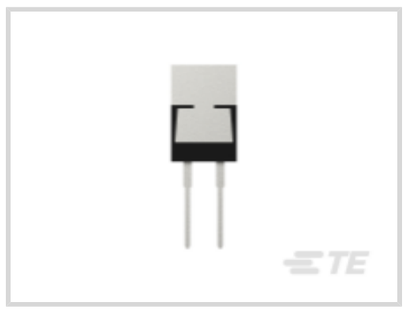
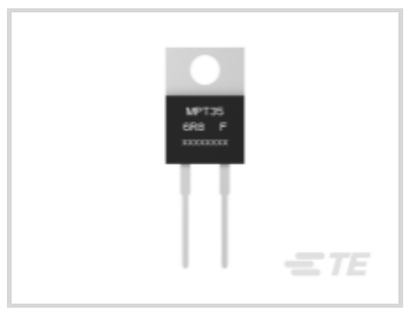
TE Internal #: 2176430-7

1 ohm, Thick Film, Power Resistor, 5 %, TO220, 35 W, ±100 ppm/° C, Radial-Leaded, Copper Termination, 10.16 x 15 x 4.6 mm, Tube, CGS MPT

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors

Resistor Type: **Power Resistor**

Element Type: **Thick Film**

Package Size Code: **TO220**

Power Rating: **35 W**

Resistance Class: **Up to 1kΩ**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Film
Package Size Code	TO220

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	350 V
Power Rating	35 W
Resistance Class	Up to 1kΩ
Resistance Value	1 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	10.16 x 15 x 4.6 mm

Usage Conditions

Temperature Coefficient	±100 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	Not Compliant
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 (92.5% in M-78034-8) **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 # 3-2176430-2
MPT35 1R0 1%



TE Part # 2176430-6
MPT35 R68 5%

Also in the Series | CGS MPT

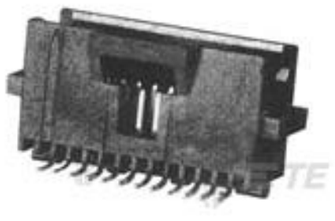


Through-Hole Resistors(171)

Customers Also Bought



TE Part #5-103673-1
2 MTE HDR SRRA LATCH W/HLDWN



TE Part #5-147377-6
60 SYS50 SMT HDR DR SHD SN



TE Part #794285-1
04P CMNL SOK HDR ASSY



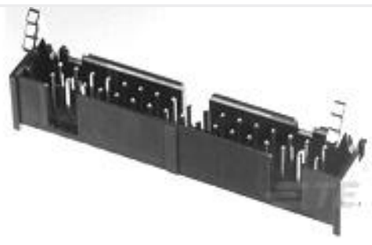
TE Part #1617123-4
JMAP-26XL = M39016/9-024L



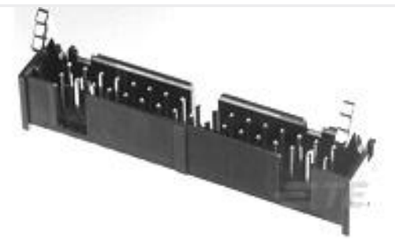
TE Part #1622900-1
CRG0603 1% 27R



TE Part #1676333-2
RN 0805 3K92 0.1% 10PPM 1KRL



TE Part #3-1761606-3
IDC LOW PRO HDR 40P VERT LA



TE Part #1761608-9
IDC LOW PRO HDR 26P VERT SHT LAT BLK



TE Part #1-1879214-6

CPF 0402 464R 0.1% 25PPM 1K RL



TE Part #6209416001

TMS-CCUV-SLEEVE-4-X-65MM

Documents

Product Drawings

MPT35 1R0 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176430-7_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176430-7_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176430-7_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