MPT35A6R8F ✔ ACTIVE

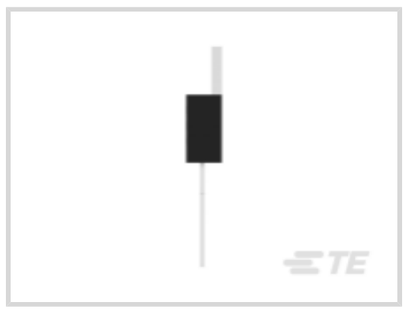
CGS | CGS MPT

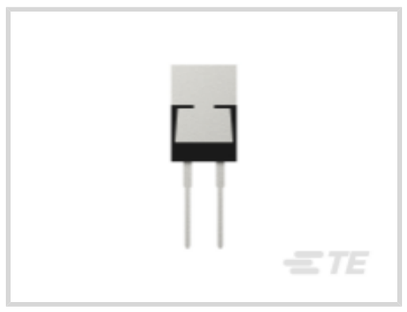
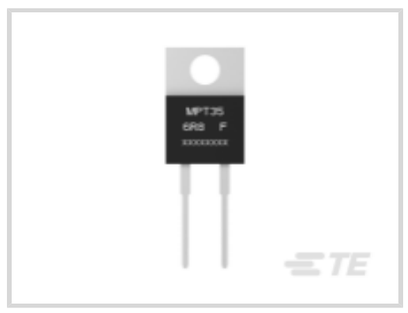
TE Internal #: 4-2176430-2

6.8 ohm, Thick Film, Power Resistor, 1 %, 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	6.8 Ω
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	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	Compliant with Exemptions
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 2023 (235) Does not contain REACH SVHC
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 # 4-2176430-1
MPT35 5R6 1%



TE Part # 1-2176430-2
MPT35 6R8 5%

Also in the Series | CGS MPT



Through-Hole Resistors(171)

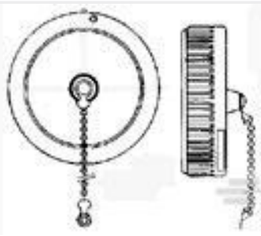
Customers Also Bought



TE Part #2-34855-1
TERMINAL,PG R 12-10 1/4



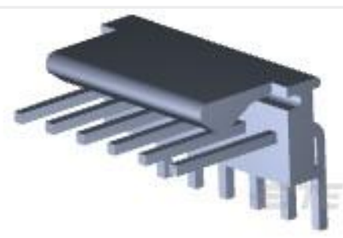
TE Part #208487-1
CMC RECEPTACLE ASSY,SIZE 22



TE Part #211903-1
CMC DUST CAP ASSM SIZE 22



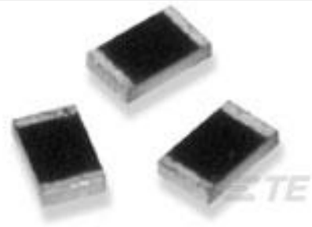
TE Part #3-338314-2
15POS.HD20 REC.ASSY



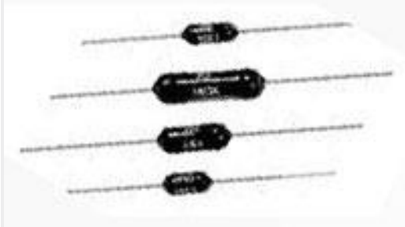
TE Part #3-641127-6
06P MTA100 HDR ASSY FL/RA LF



TE Part #4-1676914-0
YR1 0.1% 499R



TE Part #6-1879266-2
RP 2B 499K 0.1% 15PPM 1K RL



TE Part #1-1879622-5
H4P 510K 1% 50PPM



TE Part #2-2176611-3
EP 2W (SS) 8R2 5%



TE Part #3-2213766-3
AV19 SPL 3A POWER LED GREEN 12V

Documents

Product Drawings

MPT35 6R8 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2176430-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2176430-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2176430-2_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