



Relays, Contactors & Switches > Relays > Signal Relays > Signal Relay, MT2 Standard, Axicom



Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **550 mW**

Isolation (HF Parameter): **-14.2dB @ 900MHz, -31.8dB @ 100MHz**

Insertion Loss (HF Parameter): **-.02dB @ 100MHz, -.97dB @ 900MHz**

[All Signal Relay, MT2 Standard, Axicom \(12\)](#)

## Features

### Product Type Features

|              |           |
|--------------|-----------|
| Relay Type   | MT2 Relay |
| Relay Style  | MT2 Relay |
| Product Type | Relay     |

### Electrical Characteristics

|  |                              |
|--|------------------------------|
| Coil Power Rating Class                                  | 500 – 600 mW                 |
| Actuating System   | DC                           |
| Insulation Initial Dielectric Between Open Contacts      | 750 Vrms                     |
| Contact Limiting Short-Time Current                      | 2 A                          |
| Insulation Initial Dielectric Between Contacts and Coil  | 1050 Vrms                    |
| Insulation Initial Dielectric Between Coil/Contact Class | 1000 V – 1500 VA             |
| Voltage Standing Wave Ration (HF Parameter)              | 1.03 @ 100MHz, 1.31 @ 900MHz |
| Insulation Initial Dielectric Between Adjacent Contacts  | 750 Vrms                     |
| Power Consumption  | 550 mW                       |
| Insulation Initial Resistance                            | 1000 MΩ                      |
| Contact Limiting Making Current                          | 2 A                          |
| Coil Resistance  | 4100 Ω                       |
| Contact Limiting Continuous Current                      | 2 A                          |
| Coil Type  | Monostable                   |



|  |                |
|--|----------------|
| Contact Limiting Breaking Current            | 2 A            |
| Contact Switching Load (Min)                 | 10mA @ .02V    |
| Contact Voltage Rating                       | 220 VDC        |
| Signal Relay Coil Power Rating (DC)          | 550 mW         |
| Signal Relay Coil Voltage Rating             | 48 VDC         |
| Signal Relay Contact Switching Voltage (Max) | 220 VDC        |
| Signal Relay Coil Magnetic System            | Monostable, DC |

### Signal Characteristics

|                               |                                    |
|-------------------------------|------------------------------------|
| Isolation (HF Parameter)      | -14.2dB @ 900MHz, -31.8dB @ 100MHz |
| Insertion Loss (HF Parameter) | -.02dB @ 100MHz, -.97dB @ 900MHz   |

### Body Features

|        |               |
|--------|---------------|
| Weight | 5 g[.1764 oz] |
|--------|---------------|

### Contact Features

|                                     |                          |
|-------------------------------------|--------------------------|
| Contact Plating Material            | Gold                     |
| Contact Current Class               | 0 – 2 A                  |
| Contact Special Features            | Bifurcated/Twin Contacts |
| Signal Relay Terminal Type          | PCB-THT                  |
| Signal Relay Contact Current Rating | 2 A                      |
| Signal Relay Contact Arrangement    | 2 Form C (2 CO)          |
| Contact Material                    | Nickel-Titanium          |
| Contact Number of Poles             | 2                        |

### Termination Features

|                  |              |
|------------------|--------------|
| Termination Type | Through Hole |
|------------------|--------------|

### Mechanical Attachment

|                            |                       |
|----------------------------|-----------------------|
| Signal Relay Mounting Type | Printed Circuit Board |
|----------------------------|-----------------------|

### Dimensions

|                           |                  |
|---------------------------|------------------|
| Width Class (Mechanical)  | 8 – 10 mm        |
| Width                     | 10 mm[.394 in]   |
| Height                    | 10.8 mm[.425 in] |
| Length Class (Mechanical) | 20 – 25 mm       |
| Height Class (Mechanical) | 10 – 11 mm       |
| Length                    | 20.2 mm[.795 in] |

|                                      |                     |
|--------------------------------------|---------------------|
| Dimensions (L x W x H) (Approximate) | 20.2 x 10 x 10.8 mm |
|--------------------------------------|---------------------|

### Usage Conditions

|   |               |
|---|---------------|
| Environmental Ambient Temperature (Max) | 85 °C[185 °F] |
| Environmental Ambient Temperature Class | 70 – 85°C     |
| Operating Temperature Range             | -55 – 85 °C   |

### Operation/Application

|                  |          |
|------------------|----------|
| Performance Type | Standard |
|------------------|----------|

### Packaging Features

|                  |            |
|------------------|------------|
| Packaging Method | Box & Tube |
|------------------|------------|

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| 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



## Also in the Series | Axicom MT2 Relay



## Documents

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5-1462000-9\\_C.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5-1462000-9\\_C.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5-1462000-9\\_C.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[Transportation, Storage, Handling, Assembly and Testing of AXICOM THT Relays](#)

English

[MT2 Relay Datasheet](#)

English

### Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

### Product Environmental Compliance

C93430

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 550 mW Coil Power (DC), Printed Circuit Board, PCB-THT, Axicom MT2 Relay



## TE Material Declaration

English