



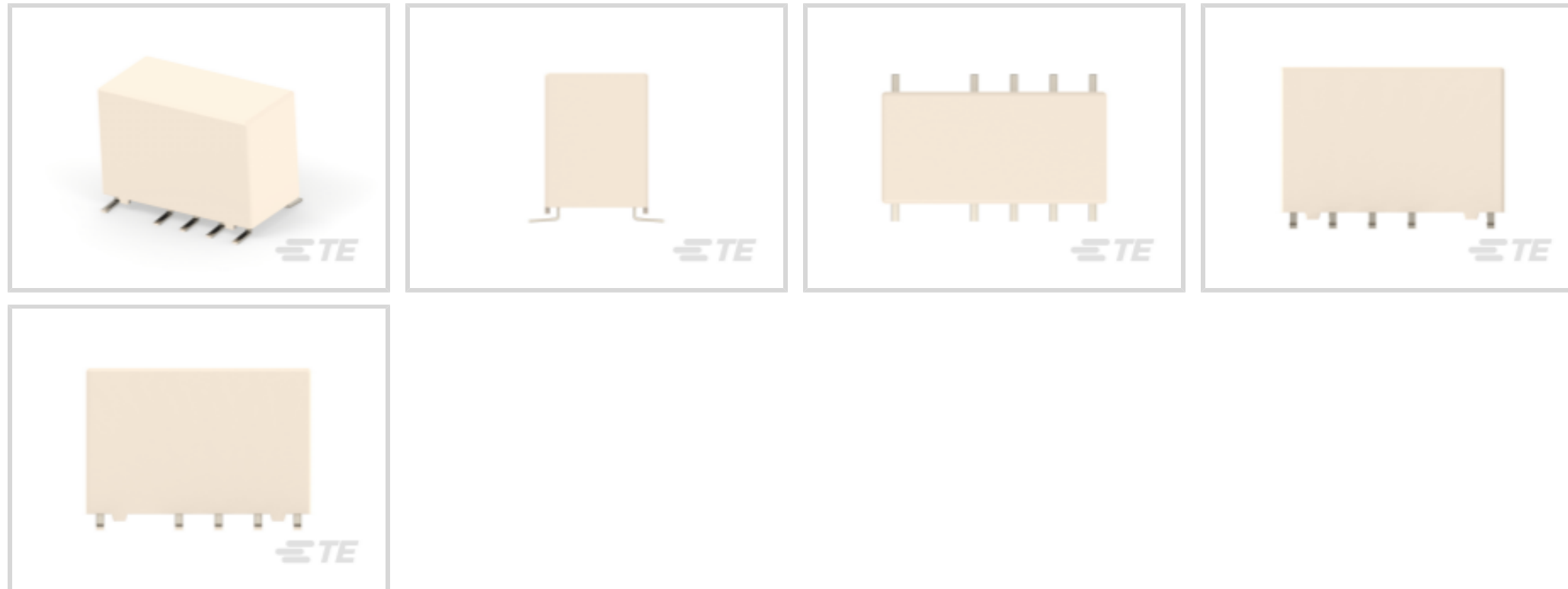
Axicom | Axicom P2 Signal Relay

TE Internal #: 6-1393788-8

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-SMT, .4 A, Axicom P2 Signal Relay

[View on TE.com >](#)

Relays, Contactors & Switches > Relays > Signal Relays > Small Signal Relay, Axicom P2 Standard



Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **140 mW**

Isolation (HF Parameter): **-20.7dB @ 900MHz, -39dB @ 100MHz**

Insertion Loss (HF Parameter): **-.02dB @ 100MHz, -.27dB @ 900MHz**

[All Small Signal Relay, Axicom P2 Standard \(84\)](#)

Features

Product Type Features

| | |
|--------------|-----------------|
| Relay Type | P2 Relay V23079 |
| Relay Style | P2 V23079 Relay |
| Product Type | Relay |

Electrical Characteristics

| | |
|--|-------------------------------|
| Coil Power Rating Class | 100 – 150 mW |
| Actuating System | DC |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Limiting Short-Time Current | 2 A |
| Insulation Initial Dielectric Between Contacts and Coil | 1500 Vrms |
| Insulation Creepage Class | 1.5 – 3 mm |
| Insulation Initial Dielectric Between Coil/Contact Class | 1000 V – 1500 VA |
| Voltage Standing Wave Ration (HF Parameter) | 1.04 @ 100MHz, 1.4dB @ 900MHz |
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |



| | |
|--|------------------------------|
| Power Consumption | 140 mW |
| Insulation Initial Resistance | 1000000 MΩ |
| Contact Limiting Making Current | 2 A |
| Coil Resistance | 178 Ω |
| Contact Limiting Continuous Current | 2 A |
| Insulation Creepage Between Contact and Coil | 2.5 mm[.098 in] |
| Coil Type | Bistable, 2 Coils |
| Contact Limiting Breaking Current | 2 A |
| Contact Switching Load (Min) | 10mA @ .2V |
| Contact Voltage Rating | 220 VDC |
| Signal Relay Coil Power Rating (DC) | 140 mW |
| Signal Relay Contact Switching Voltage (Max) | 220 VDC |
| Signal Relay Coil Magnetic System | Bistable, 2 Coils, Polarized |

Signal Characteristics

| | |
|-------------------------------|----------------------------------|
| Isolation (HF Parameter) | -20.7dB @ 900MHz, -39dB @ 100MHz |
| Insertion Loss (HF Parameter) | -.02dB @ 100MHz, -.27dB @ 900MHz |

Body Features

| | |
|-----------------------------|---|
| Insulation Special Features | 2500V Initial Surge Withstand Voltage between Contacts & Coil |
| Weight | 2.8 g[.0988 oz] |

Contact Features

| | |
|-------------------------------------|--------------------------|
| Contact Plating Material | Gold |
| Contact Current Class | 0 – 2 A |
| Contact Special Features | Bifurcated/Twin Contacts |
| Signal Relay Terminal Type | PCB-SMT |
| Signal Relay Contact Current Rating | .4 A |
| Signal Relay Contact Arrangement | 2 Form C (CO) |
| Contact Material | Ruthenium |
| Contact Number of Poles | 2 |

Termination Features

| | |
|------------------|---------------|
| Termination Type | Surface Mount |
|------------------|---------------|

Mechanical Attachment

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



Dimensions

| | |
|---|------------------|
| Width Class (Mechanical) | 6 – 8 mm |
| Width | 7.2 mm[.283 in] |
| Height | 10.4 mm[.409 in] |
| Length Class (Mechanical) | 14 – 16 mm |
| Insulation Clearance Between Contact and Coil | 1.3 mm[.051 in] |
| Height Class (Mechanical) | 10 – 11 mm |
| Length | 14.5 mm[.571 in] |
| Insulation Clearance Class | 0 – 2.5 mm |

Usage Conditions

| | |
|---|--------------|
| Environmental Ambient Temperature (Max) | 85 °C[85 °F] |
| Environmental Ambient Temperature Class | 70 – 85°C |
| Operating Temperature Range | -40 – 85 °C |

Operation/Application

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

Packaging Features

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

Other

| | |
|---------------------|----------------|
| Additional Features | Long Terminals |
|---------------------|----------------|

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) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Reflow solder capable to 245°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 P2 Signal Relay



Documents

Product Drawings

V23079E1201B301

English

V23079E1201B301

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1393788-8_F.2d_dxf.zip

English



Customer View Model

[ENG_CVM_CVM_6-1393788-8_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1393788-8_F.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Axicom Signal and High Frequency Relays \(RF Switches\) APPLICATION NOTE #2](#)

English

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

English

[AXICOM Latching Relays](#)

English

[P2 Relay Datasheet](#)

English

Product Specifications

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

English