



Axicom | Axicom P2 Signal Relay

TE Internal #: 4-1393789-7

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 150 mW Coil Power (DC), Printed Circuit Board, PCB-SMT, Axicom P2 Signal Relay

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



Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **150 mW**

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

Insertion Loss (HF Parameter): **-.02dB @ 100MHz, -.97dB @ 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	64 Ω
Contact Limiting Continuous Current	2 A
Insulation Creepage Between Contact and Coil	2.5 mm[.098 in]
Coil Type	Monostable
Contact Limiting Breaking Current	2 A
Contact Switching Load (Min)	10mA @ .2V
Coil Special Features	Overmolded Coil
Contact Voltage Rating	220 VDC
Signal Relay Coil Power Rating (DC)	150 mW
Signal Relay Coil Voltage Rating	3 VDC
Signal Relay Contact Switching Voltage (Max)	220 VDC
Signal Relay Coil Magnetic System	Monostable, DC, Polarized

### Signal Characteristics

Isolation (HF Parameter)	-14.2dB @ 900MHz, -31.8dB @ 100MHz
Insertion Loss (HF Parameter)	-.02dB @ 100MHz, -.97dB @ 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	2 A
Signal Relay Contact Arrangement	2 Form C (CO)
Contact Material	AgNi+Au
Contact Number of Poles	2

### Termination Features

Termination Type	Surface Mount
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### Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board
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### Dimensions

Width Class (Mechanical)	6 – 8 mm
Width	7.2 mm[.283 in]
Height	9.9 mm[.39 in]
Length Class (Mechanical)	14 – 16 mm
Insulation Clearance Between Contact and Coil	1.3 mm[.051 in]
Height Class (Mechanical)	9 – 10 mm
Length	14.6 mm[.575 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
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### Packaging Features

Packaging Method	Reel
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### Other

Additional Features	Long Terminals
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### 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

V23079D2008B301

English

## CAD Files

Customer View Model

ENG\_CVM\_CVM\_1393789-4\_O.2d\_dxf.zip

English

3D PDF

3D



**Customer View Model**

[ENG\\_CVM\\_CVM\\_1393789-4\\_O.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1393789-4\\_O.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_4-1393789-7\\_E1.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_4-1393789-7\\_E1.3d\\_igs.zip](#)

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English

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**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

[P2 Relay Datasheet](#)

English

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**Product Specifications**

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

English

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**Product Environmental Compliance**

[TE Material Declaration](#)

English