



Relays, Contactors & Switches > Relays > Signal Relays > AXICOM P2 STANDARD



Contact Voltage Rating: **250 VAC**

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 AXICOM P2 STANDARD \(85\)](#)

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	250 VAC
Signal Relay Coil Power Rating (DC)	140 mW
Signal Relay Contact Switching Voltage (Max)	250 VAC
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
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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	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
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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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

TE Part # CAT-AX41-P1A
AXICOM P2 STANDARD

Also in the Series | Axicom P2 Signal Relay

Signal Relays(92)

Customers Also Bought

TE Part #1415899-4
PCB Power Relay: 12-16 Amp, Monostable

TE Part #1-770621-0
12P MINI UMNL DBL ROW HDR ASSY

TE Part #1-640383-3
13P MTA156 HDR ASSY STR SQ SN

TE Part #1571563-4
FSM4JSMAATR=TACTSWITCH,SMT, T&R

TE Part #1676153-3
RN 0805 10K 0.1% 10PPM 5KRL

TE Part #1676221-3
RN 0805 1K0 0.1% 10PPM 5KRL

TE Part #1-1879417-7
CPF 0603 820K 0.1% 25PPM 1K RL

TE Part #1461078-5
STD OEG Miniature PCB OJ/OJE Pow Relays



Documents

Product Drawings

V23079E1201B301

English

V23079E1201B301

English

CAD Files

3D PDF

3D

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1393788-8_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1393788-8_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1393788-8_D.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1393788-7_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1393788-7_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1393788-7_A.3d_stp.zip

English

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Datasheets & Catalog Pages

AXICOM Latching Relays

English

Transportation, Storage, Handling, Assembly and Testing of AXICOM SMT Relays



English

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

English

[Industrial Relays Quick Reference Guide](#)

English

[P2 Relay Datasheet](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

Product Specifications

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

English

Product Environmental Compliance

[TE Material Declaration](#)

English