

1422006-1 ✓ ACTIVE

Axicom | Axicom P2 Signal Relay

TE Internal #: 1422006-1

General Purpose Signal Relay, DC, Polarized, Monostable, 2 Form C DPDT-CO, 2 A Contact Rating, 5 VDC Coil Voltage, Axicom P2 Signal Relay

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Relays & Contactors > Electromechanical Relays > Signal Relay with Dielectric Strength



Relay & Contactor Type: **General Purpose Signal Relay**

Coil Magnetic System: **Polarized, Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Current Type: **DC**

Contact Current Rating: **2 A**

[All Signal Relay with Dielectric Strength \(3\)](#)

Features

Product Type Features

| | |
|------------------------|------------------------------|
| Relay & Contactor Type | General Purpose Signal Relay |
|------------------------|------------------------------|

Configuration Features

| | |
|--------------------------|--------------------------|
| Contact Special Features | Bifurcated/Twin Contacts |
| Contact Number of Poles | 2 |
| Coil Special Features | Overmolded Coil |
| Contact Arrangement | 2 Form C DPDT-CO |

Electrical Characteristics

| | |
|---|-----------|
| Contact Limiting Short-Time Current | 2 A |
| Contact Limiting Making Current | 2 A |
| Contact Limiting Continuous Current | 2 A |
| Contact Limiting Breaking Current | 2 A |
| Insulation Initial Dielectric Between Open Contacts | 1500 Vrms |



| | |
|---|---------------------------------|
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |
| Contact Switching Voltage (Max) | 250 VAC |
| Contact Switching Load (Min) | 10mA @ .2V |
| Voltage Standing Wave Ration (HF Parameter) | 1.04db @ 100MHz, 1.4dB @ 900MHz |
| Coil Resistance | 125 Ω |
| Insulation Initial Resistance | 1000 M Ω |
| Contact Current Rating | 2 A |
| Coil Voltage Rating | 5 VDC |
| Contact Voltage Rating | 220 VDC |
| Coil Power Rating DC | .2 W |
| Insulation Initial Dielectric Between Contacts & Coil | 1500 Vrms |

Signal Characteristics

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

Body Features

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|----------------|--|
| Product Weight | 2.8 g[.0988 oz] |
| Enclosure Type | Flux Resistant Automatic Solder Capable & Washable |

Contact Features

| | |
|--------------------------|------|
| Contact Plating Material | Gold |
| Contact Material | AgNi |

Termination Features

| | |
|------------------------------------|---------|
| Main Termination & Connection Type | PCB SMT |
| Coil Termination & Connection Type | PCB SMT |

Mechanical Attachment

| | |
|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

| | |
|---|------------------|
| Insulation Clearance Between Contact & Coil | 1.3 mm[.051 in] |
| Insulation Creepage Between Contact & Coil | 2.5 mm[.098 in] |
| Product Width | 7.2 mm[.283 in] |
| Product Length | 14.6 mm[.574 in] |
| Product Height | 9.9 mm[.389 in] |



Usage Conditions

| | |
|---|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
| Environmental Category of Protection | RTIII |
| Environmental Ambient Temperature (Max) | 85 °C[185 °F] |

Operation/Application

| | |
|----------------------|-----------------------|
| Solder Process | Reflow Solder Capable |
| Performance Type | High Dielectric |
| Coil Magnetic System | Polarized, Monostable |
| Current Type | DC |

Packaging Features

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

Other

| | |
|---------------------------|-------------------------------|
| Coil Power Rating Class | >.15 – ≤.2 W |
| Contact Current Class | ≤2 A |
| Height Class (Mechanical) | >7 – ≤11 mm[>.276 – ≤.433 in] |
| Length Class (Mechanical) | >11 – ≤16 mm[>.433 – ≤.63 in] |
| Width Class (Mechanical) | >7 – ≤11 mm[>.276 – ≤.433 in] |

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 245°C |

Product Compliance Disclaimer

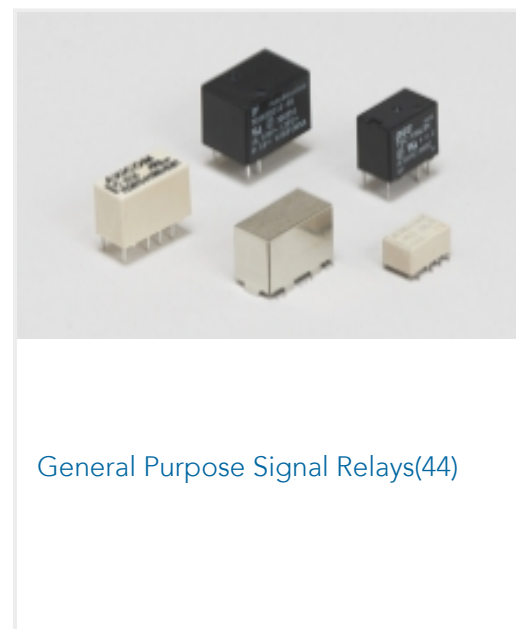
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as

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



Customers Also Bought





Documents

Product Drawings

V23079G2001X071

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1422006-1_D1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1422006-1_D1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1422006-1_D1.3d_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

P2 Relay Datasheet

English

Product Specifications



Definitions General Purpose Relays

English

Agency Approvals

UL

English

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