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

View on TE.com >

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 MΩ
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

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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

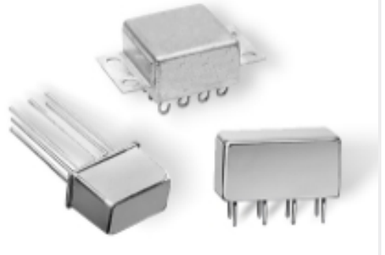
EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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

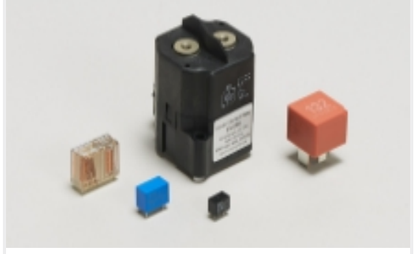


TE Part # 1422006-2
V23079G2002X072

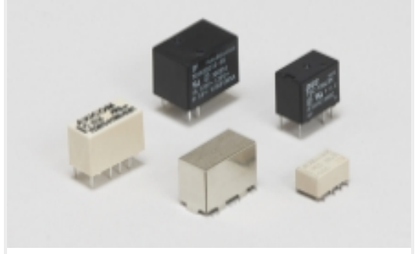
Also in the Series | Axicom P2 Signal Relay



DC Relays(44)

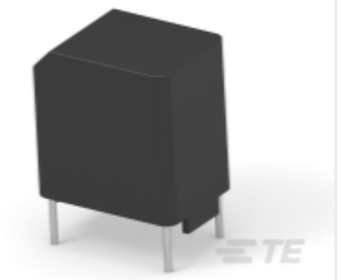


Electromechanical Relays(44)



General Purpose Signal Relays(44)

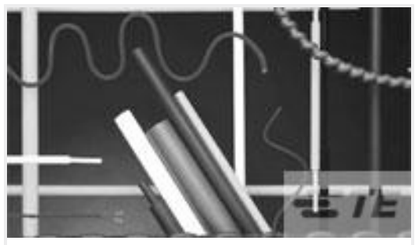
Customers Also Bought



TE Part #815797-SF
RN212-2-02-1M0



TE Part #CONUFL001-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount



TE Part #5575754001
CGPT-18/6-0-SP



TE Part #3-1614893-9
CPF 0805 31K6 0.1% 25PPM 1K RL



TE Part #7-1879337-6
CPF 0603 15K 1% 50PPM 1K RL



TE Part #7-1879499-3
CRGH2010 5% 1K0 1W



TE Part #2-2176327-0
CRGP 0805 390R 1%



TE Part #5413879-1
JACK ASSY,RTANG,BNC



TE Part #5052894048
RNF-100-1/16-0-SP



TE Part #2-2176324-2
SMV 3W 5M6 5%

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