

IM06TS ACTIVE

Axicom | Axicom IM

TE Internal #: 2-1462037-7

General Purpose Signal Relay, DC, Polarized, Monostable, 2 Form

C DPDT-CO, 2 A Contact Rating, 12 VDC Coil Voltage, 250 VAC

Contact Voltage, Axicom IM

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Relays & Contactors > Electromechanical Relays > Standard Signal Relay 2 Form C,2 CO Cont



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

Current Type: **DC**

Coil Magnetic System: **Polarized, Monostable**

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

Contact Current Rating: **2 A**

[All Standard Signal Relay 2 Form C,2 CO Cont \(72\)](#)

Features

Product Type Features

Relay & Contactor Type

General Purpose Signal Relay

Configuration Features

Contact Special Features

Bifurcated/Twin Contacts

Relay Options

Power Switching, RF Rated

Contact Number of Poles

2

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

750 Vrms

| | |
|---------------------------------------------------------|----------------------------------|
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |
| Contact Switching Voltage (Max) | 250 VAC |
| Contact Switching Load (Min) | .1mA @ .0001V |
| Voltage Standing Wave Ration (HF Parameter) | 1.06db @ 100MHz, 1.49db @ 900MHz |
| Coil Resistance | 1029 Ω |
| Insulation Initial Resistance | 1000000 MΩ |
| Contact Current Rating | 2 A |
| Coil Voltage Rating | 12 VDC |
| Contact Voltage Rating | 220 VDC |
| Coil Power Rating DC | .14 W |
| Insulation Initial Dielectric Between Contacts & Coil | 1800 Vrms |

Signal Characteristics

| | |
|-------------------------------|----------------------------------|
| Isolation (HF Parameter) | -18.8dB @ 900MHz, -37dB @ 100MHz |
| Insertion Loss (HF Parameter) | -.03dB @ 100MHz, -.33dB @ 900MHz |

Body Features

| | |
|----------------|---------------------|
| Product Weight | .75 g [.026 oz] |
| Enclosure Type | Hermetically Sealed |

Contact Features

| | |
|--------------------------|------|
| Contact Plating Material | Gold |
| Contact Material | PdRu |

Termination Features

| | |
|------------------------------------|-------------|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

Mechanical Attachment

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

Dimensions

| | |
|----------------|-------------------|
| Product Width | 6 mm [.236 in] |
| Product Length | 10 mm [.393 in] |
| Product Height | 5.65 mm [.222 in] |

Usage Conditions

| | |
|--------------------------------------|----------------------------|
| Operating Temperature Range | -40 – 85 °C [-40 – 185 °F] |
| Environmental Category of Protection | RTV |

Environmental Ambient Temperature (Max)

85 °C[185 °F]

Operation/Application

Solder Process

Wave Solder Capable

Current Type

DC

Coil Magnetic System

Polarized, Monostable

Packaging Features

Packaging Method

Tube

Other

Coil Power Rating Class

≤.15 W

Contact Current Class

≤2 A

Height Class (Mechanical)

≤7 mm[≤.276 in]

Length Class (Mechanical)

≤11 mm[≤.433 in]

Product ComplianceFor 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 Bromine/Chlorine - Br and Cl < 900
ppm per homogenous material. Also BFR
/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°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 # 1-1462038-6
 IM06NS=IM RELAY 140mW 12V

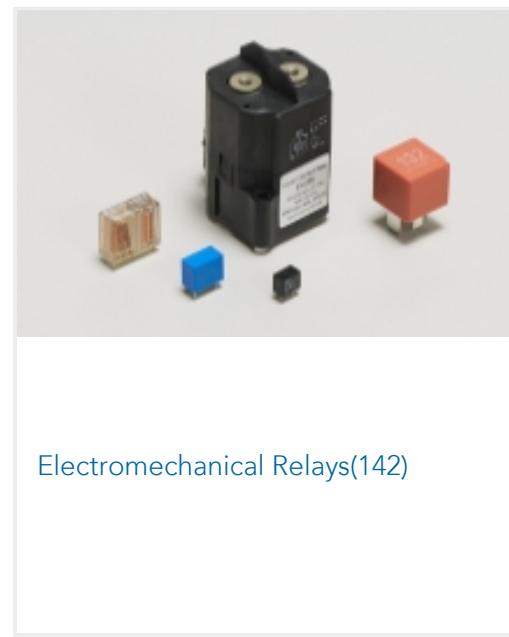


TE Part # CAT-AX41-IM11B
 Standard Signal Relay 2 Form C,2 CO Cont

Also in the Series | Axicom IM



DC Relays(142)



Electromechanical Relays(142)

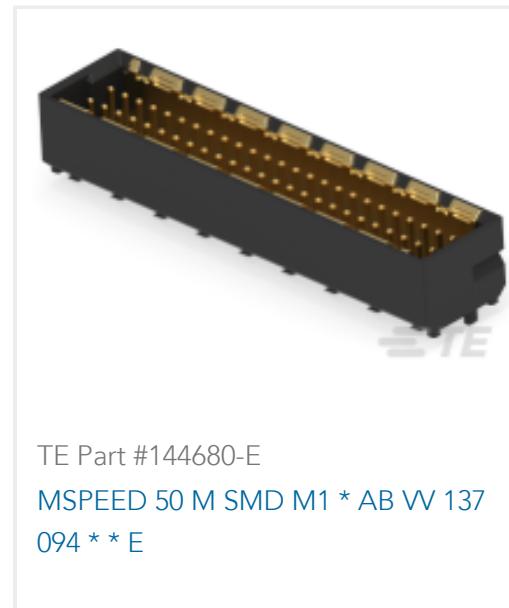


General Purpose Signal Relays(142)

Customers Also Bought



TE Part #144662-E
 MSPEED 50 F SMD F4 * AB VV 137 094 ** E



TE Part #144680-E
 MSPEED 50 M SMD M1 * AB VV 137 094 ** E



TE Part #214357-E
 MSPPM 5 M SMD M1 * A V 137 094 * E008 J



TE Part #8-338728-2
 MICROM. MOB SMD CON



TE Part #641964-3
 02P UMNL PIN HDR ASSY POL LF



TE Part #1625862-8
 RH73 2B 10G 10% 1000PPM 1K RL



TE Part #7-1879263-1
 RP 2B 49K9 0.1% 15PPM 1K RL



TE Part #1-2176315-3
 MELF SMA_A 1K0 0.1% 15PPM 0204 0.4W



TE Part #1-5177986-1
0.8FH,P06H.5,040,08/Sn,TR,SC



TE Part #2-5499206-2
A/L UNIV HDR 14P VERT LAT BLUE

Documents

Product Drawings

IM06TS=IM RELAY 140mW 12V

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2-1462037-7_B4.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1462037-7_B4.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1462037-7_B4.2d_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

Transportation, Storage, Handling, Assembly and Testing of Axicom Through Hole Terminal (THT) Relays

English

IM_Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English