



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
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Configuration Features

Contact Special Features	Bifurcated/Twin Contacts, J Leg
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	145 Ω
Insulation Initial Resistance	1000000 MΩ
Contact Current Rating	2 A
Coil Voltage Rating	4.5 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	PCB SMT
Coil Termination & Connection Type	PCB SMT

Mechanical Attachment

Product Mount Type	Board Mount
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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	Reflow Solder Capable
Current Type	DC
Coil Magnetic System	Polarized, Monostable

Packaging Features

Packaging Method	Reel
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Other

Coil Power Rating Class	.05 – .3 W
Contact Current Class	0 – 2 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	0 – 6 mm
Length Class (Mechanical)	0 – 10 mm
Width Class (Mechanical)	0 – 6 mm

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 Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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>

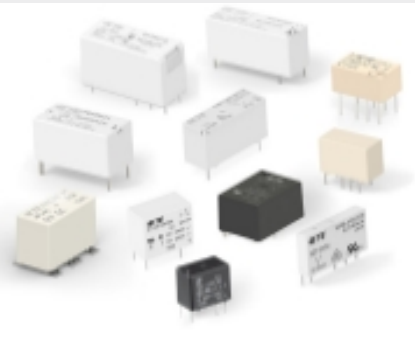
Compatible Parts



TE Part # 1462047-8

IM02IJR=IM RELAY 140mW 4.5V HCV

Also in the Series | Axicom IM



PCB Relays(142)



RJ45 Connectors(2)

Customers Also Bought



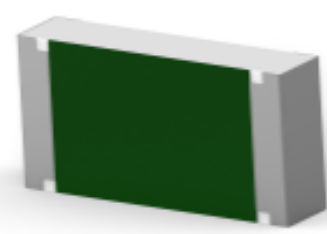
TE Part #4-1879071-1

THS50 150R 5%



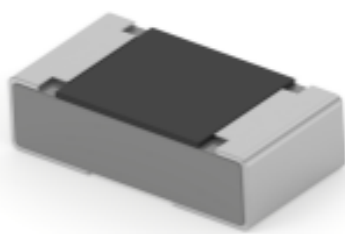
TE Part #1241150-6

6P MOD II BREAK AWAY HDR , SMD, BLISTER



TE Part #1-2176399-6

3502 4K7 5%



TE Part #2-2176473-2

RA73F 1J 84R5 0.1% 1K RL



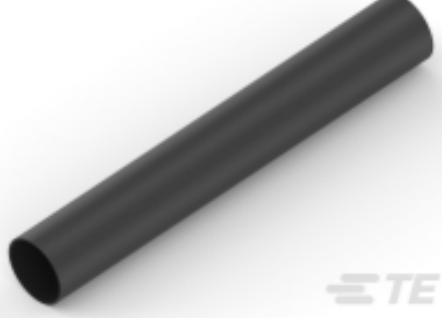
TE Part #6-2176370-3

RQ 0603 1K91 0.1% 10PPM 5K RL



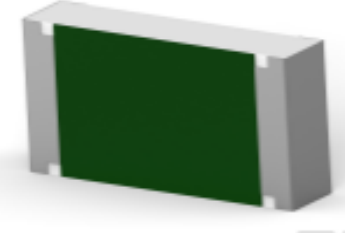
TE Part #1-1393194-0

T77S1D10-24



TE Part #NB09304001

ATUM-12/4-0-SP



TE Part #2-2176399-0

3502 10K 5%



Documents

Product Drawings

IM02JR=IM RELAY 140mW 4.5V

English

CAD Files

Customer View Model

ENG_CVM_CVM_1462037-3_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1462037-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1462037-3_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1462037-1_B5.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1462037-1_B5.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1462037-1_B5.2d_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

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

English

IM_Datasheet

English



Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English