



Relays & Contactors > Electromechanical Relays > Axicom HF Relay 3GHz, Shielded



Relay & Contactor Type: **RF Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Current Type: **DC**

Contact Current Rating: **2 A**

[All Axicom HF Relay 3GHz, Shielded \(7\)](#)

## Features

### Product Type Features

Relay & Contactor Type	RF Relay
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### Configuration Features

Contact Special Features	Gull Wing
Relay Options	Power Switching, RF Rated
Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-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	600 Vrms
Contact Switching Voltage (Max)	250 VAC

Voltage Standing Wave Ration (HF Parameter)	1.07db @ 100MHz, 1.45db @ 900MHz
Coil Resistance	178 $\Omega$
Insulation Initial Resistance	1000000 M $\Omega$
Contact Current Rating	2 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	30 VDC
Coil Power Rating DC	.14 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

### Signal Characteristics

Insertion Loss (HF Parameter)	-.03dB @ 100MHz, -.12dB @ 900MHz, -.3dB @ 3GHz
Isolation (HF Parameter)	-50dB @ 3GHz, -80dB @ 900MHz, -96dB @ 100MHz

### Body Features

	3 oz
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

### Contact Features

Contact Plating Material	Gold
Contact Material	Nickel

### 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	7.5 mm[.295 in]
Product Length	14.9 mm[.586 in]
Product Height	10.5 mm[.413 in]

### Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

### Operation/Application

Solder Process	Reflow Solder Capable
Coil Magnetic System	Monostable
Current Type	DC

### Packaging Features

Packaging Method	Box & Carton, Reel
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### Other

Coil Power Rating Class	≤.15 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	有害物质含量符合标准要求 No Restricted Substance(s) 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

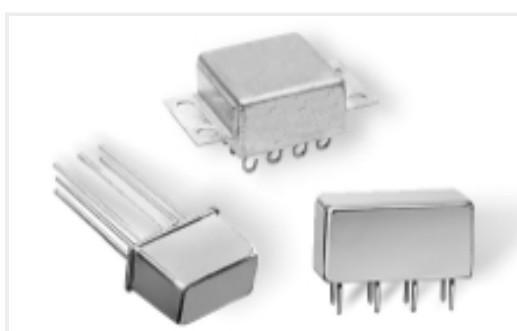
on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts



TE Part # 1462050-2  
HF3 03 = 75OHM 140MW 5V MONO

### Also in the Series | Axicom HF3



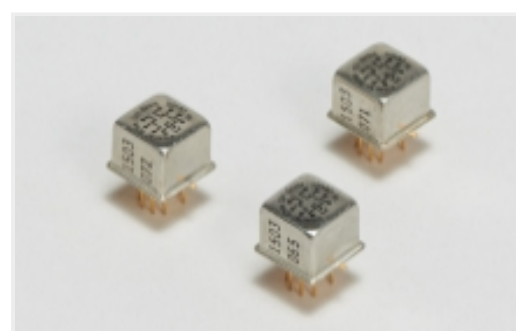
DC Relays(26)



Electromechanical Relays(26)



PCB Relays(26)



RF Relays(26)

### Customers Also Bought



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



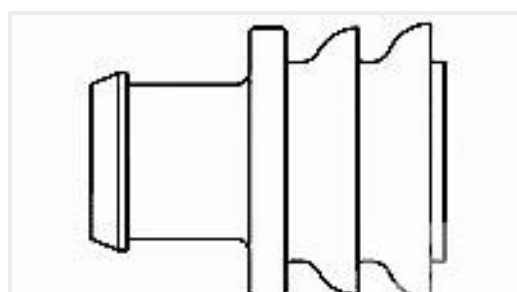
TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #206070-8  
CABLE CLAMP KIT #17



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

### Documents

CAD Files



Customer View Model

[ENG\\_CVM\\_CVM\\_1462050-3\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1462050-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1462050-3\\_B.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1462050-3\\_A2.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1462050-3\\_A2.3d\\_stp.zip](#)

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Customer View Model

[ENG\\_CVM\\_1462050-3\\_A2.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

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3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1462050-2\\_F\\_c-2-1462050-2-f.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1462050-2\\_F\\_c-2-1462050-2-f.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1462050-2\\_F\\_c-2-1462050-2-f.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

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

English

[HF3S Relay Datasheet](#)

English

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**Product Specifications**

[Definitions General Purpose Relays](#)

English

