

1-1462051-2 ✓ ACTIVE

Axicom | Axicom HF3

TE Internal #: 1-1462051-2

RF Relay, DC, Bistable, 2 Coils, 1 Form C SPDT-CO, 2 A Contact

Rating, 5 VDC Coil Voltage, 30 VAC Contact Voltage, 30 VDC

Contact Voltage, Axicom HF3

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays > Signal Relays: SMT, PCB Mount, 2 Amp



Relay & Contactor Type: **RF Relay**

Coil Magnetic System: **Bistable, 2 Coils**

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

Current Type: **DC**

Contact Current Rating: **2 A**

[All Signal Relays: SMT, PCB Mount, 2 Amp \(19\)](#)

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 Ω
Insulation Initial Resistance	1000000 M Ω
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, -.35dB @ 3GHz
Isolation (HF Parameter)	-45dB @ 3GHz, -72dB @ 900MHz, -80dB @ 100MHz

Body Features

	2.5 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	7.2 mm[.283 in]
Product Length	14.6 mm[.574 in]
Product Height	9.1 mm[.358 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]
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Operation/Application

Coil Magnetic System	Bistable, 2 Coils
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>](#)

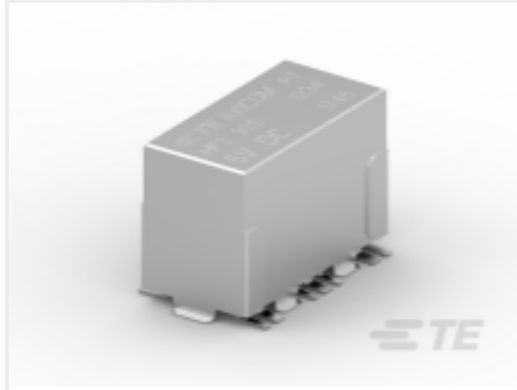
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (2% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

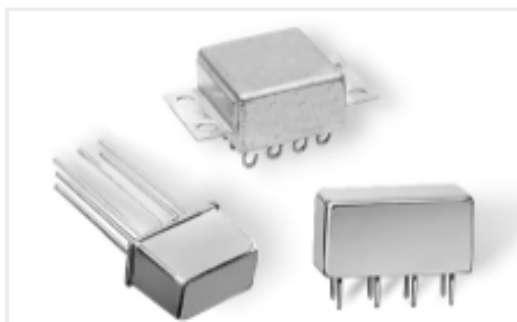
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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 # 2-1462051-4
HF3 93S = 50OHM 140MW 5V BIST
2COIL

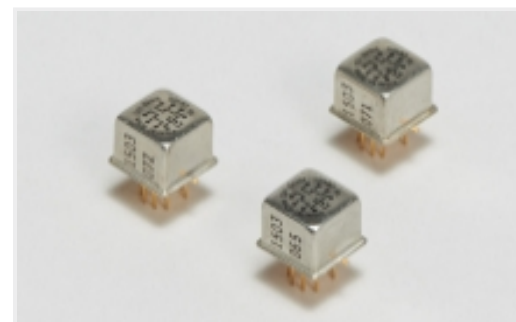
Also in the Series | Axicom HF3



DC Relays(26)

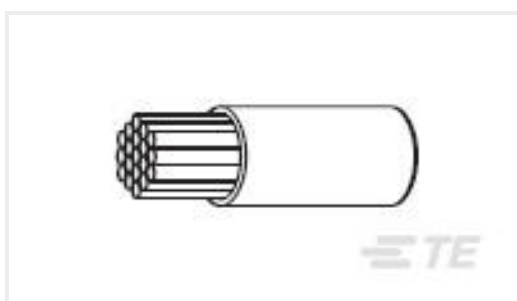


Electromechanical Relays(26)



RF Relays(26)

Customers Also Bought



TE Part #5584113003
FLHTC0311-0.35-9



TE Part #499252-3
026 STRAIN RELIEF A-L RCPT



TE Part #3-640426-8
08P MTA156 CONN ASSY 18AWG
ORA



TE Part #1-826629-6
16X1 AMPMODU II HDR ST



TE Part #1825219-6
TT11EGPC104



TE Part #5102322-6
A/L UNIV HDR 26P RA LAT



TE Part #5553636-2
KIT,HDW,EMI,050/085,STD/METRIC



TE Part #5747844-6
09 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #6609032-5
3VR1=F7198 S0



TE Part #6609101-2
PS000D000=C1002

Documents

Product Drawings

[HF3 93 = 50OHM 140MW 5V BIST 2COIL](#)

English

[HF3 93 = 50OHM 140MW 5V BIST 2COIL](#)

English

CAD Files

Customer View Model

[ENG_CVM_1462051-2_A5.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1462051-2_A5.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1462051-2_A5.2d_dxf.zip](#)

English

[3D PDF](#)

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

[HF3 Relay Datasheet](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

English