

1462051-4 ✓ ACTIVE

Axicom | Axicom HF3

TE Internal #: 1462051-4

RF Relay, DC, Monostable, 1 Form C SPDT-CO, 2 A Contact Rating, 12 VAC Coil Voltage, 250 VAC Contact Voltage, 220 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**

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **2 A**

[All Signal Relays: SMT, PCB Mount, 2 Amp \(27\)](#)

Features

Contact Features

Contact Plating Material	Gold
Contact Material	Nickel

Dimensions

Product Width	7.2 mm[.283 in]
Product Length	14.6 mm[.574 in]
Product Height	9.1 mm[.358 in]

Signal Characteristics

Isolation (HF Parameter)	-45dB @ 3GHz, -72dB @ 900MHz, -80dB @ 100MHz
Insertion Loss (HF Parameter)	-.12dB @ 900MHz, -.35dB @ 3GHz, -.03dB @ 100MHz

Packaging Features

Packaging Method	Box & Carton, 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)	9 – 10 mm
Length Class (Mechanical)	14 – 16 mm
Width Class (Mechanical)	6 – 8 mm
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Usage Conditions

Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[85 °F]

Body Features

	2.5 oz
Enclosure Type	Flux Resistant Automatic Soldering & Washable

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)	1.45db @ 900MHz, 1.07db @ 100MHz
Coil Resistance	1028 Ω
Insulation Initial Resistance	1000000 MΩ
Contact Current Rating	2 A
Coil Voltage Rating	12 VAC
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.14 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Configuration Features

Contact Special Features	Gull Wing
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Relay Options	RF Rated
Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Product Type Features

Relay & Contactor Type	RF Relay
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Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

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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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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

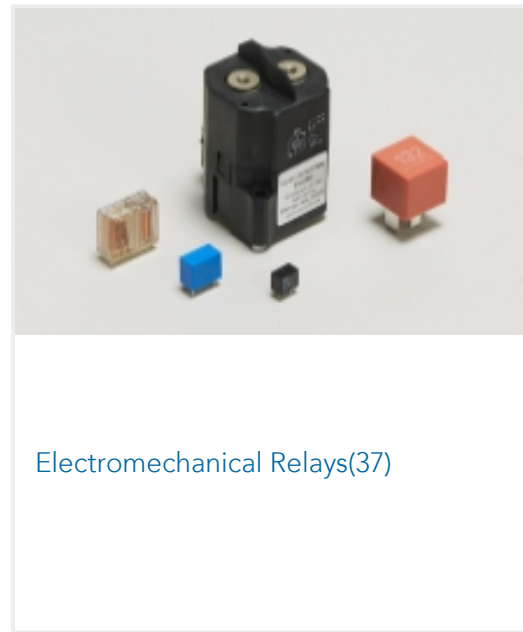


TE Part # 3-1462051-1
HF3 56S=50OHM140MW 12V MONO

Also in the Series | Axicom HF3



DC Relays(36)



Electromechanical Relays(37)



RF Relays(36)

Customers Also Bought



TE Part #2-2176345-9
CRGCO 1210 2K2 1%



TE Part #9-2176092-3
RP 2A 0.25W 7K5 0.1% 25PPM 1K RL



TE Part #3-2176429-6
MPT100 2R7 1%



TE Part #1-1879061-0
CPF 0402 20R 0.1% 25PPM 5K RL



TE Part #CAT-AX41-H519
Signal Relays: SMT, PCB Mount, 2 Amp



TE Part #1-2176093-0
RP 2A 0.25W 11K5 0.1% 25PPM 1K RL



TE Part #7-1625971-8
HSA25 R10 5%



TE Part #7-2176093-0
RP 2A 0.25W 54K9 0.1% 25PPM 1K RL



Documents

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