



[Axicom](#) | Axicom HF3

TE Internal #: 1-1462051-2

Axicom HF3, Signal Relays, 220VDC Contact Voltage Rating, 250VAC Contact Voltage Rating, 140mW Coil Power Rating (DC)

[View on TE.com >](#)

Relays, Contactors & Switches > Relays > Signal Relays > AXICOM HF RELAY 3GHZ



Contact Voltage Rating: **250 VAC**

Coil Power Rating (DC): **140 mW**

Isolation (HF Parameter): **-45dB @ 3GHz, -72dB @ 900MHz, -80dB @ 100MHz**

Insertion Loss (HF Parameter): **-.03dB @ 100MHz, -.12dB @ 900MHz, -.35dB @ 3GHz**

[All AXICOM HF RELAY 3GHZ \(29\)](#)

Features

Product Type Features

Relay Type	HF3 Relay
Product Type	Relay

Electrical Characteristics

Coil Power Rating Class	50 – 300 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	600 Vrms
Contact Limiting Short-Time Current	2 A
Insulation Initial Dielectric Between Contacts and Coil	1000 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	500 – 1000 V
Voltage Standing Wave Ration (HF Parameter)	1.07 @ 100MHz, 1.45 @ 900MHz
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Making Current	2 A
Coil Resistance	178 Ω
Contact Limiting Continuous Current	2 A



Coil Type	Bistable, 2 Coils
Contact Limiting Breaking Current	2 A
Contact Voltage Rating	250 VAC
Coil Power Rating (DC)	140 mW
Coil Voltage Rating	5 VAC
Contact Switching Voltage (Max)	220 VDC
Coil Magnetic System	Bistable, 2 Coils

Signal Characteristics

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

Body Features

Insulation Special Features	1500V Initial Surge Withstand Voltage between Contacts & Coil
	2.5 oz

Contact Features

Contact Plating Material	Gold
Contact Current Class	0 – 2 A
Terminal Type	PCB-SMT
Contact Current Rating	2 A
Contact Arrangement	1 Form C (CO)
Contact Material	Nickel
Contact Number of Poles	1

Mechanical Attachment

Mounting Type	Printed Circuit Board
---------------	-----------------------

Dimensions

Width Class (Mechanical)	6 – 8 mm
Width	7.2 mm[.283 in]
Height	10 mm[.394 in]
Length Class (Mechanical)	14 – 16 mm
	14.6 in
Height Class (Mechanical)	9 – 10 mm



Dimensions (L x W x H) (Approximate)	14.6 x 7.2 x 9.1 mm [.574 x .283 x .358 in]
--------------------------------------	---

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C [85 °F]
Environmental Ambient Temperature Class	70 – 85°C
Environmental Category of Protection	RTIII

Operation/Application

Performance Type	Standard
------------------	----------

Packaging Features

Packaging Method	Box & Carton, Reel
------------------	--------------------

Other

Additional Features	Gull Wing
---------------------	-----------

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: JUN 2020 (209) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°C

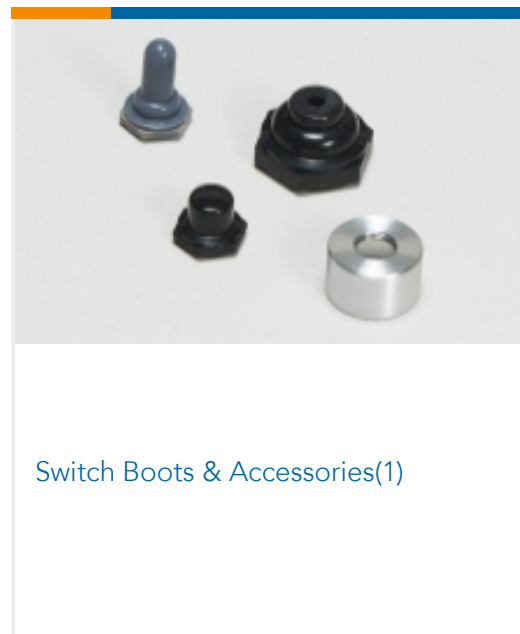
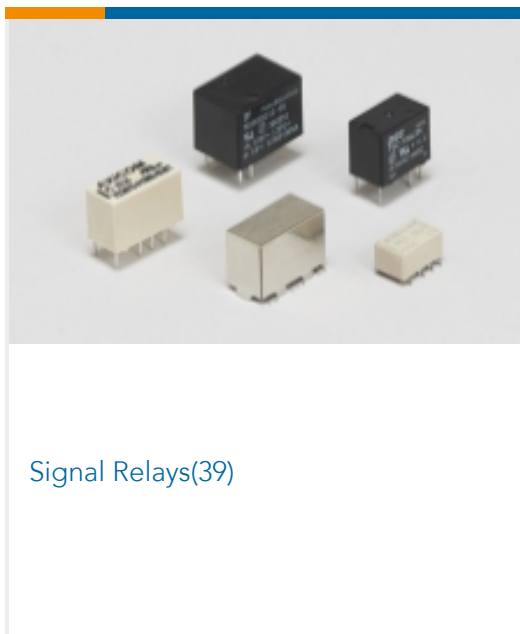
Product Compliance Disclaimer

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



Also in the Series | Axicom HF3



Customers Also Bought



Documents

Product Drawings

[HF393=50OHM140MW 5V BIST 2COIL](#)

English

[HF393=50OHM140MW 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

[Industrial Relays Quick Reference Guide](#)

English

Product Specifications

[Definitions Relays](#)

English

[Product Specification](#)

English