

Axicom | Axicom HF3

TE Internal #: 1462051-2

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

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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 ΜΩ
Contact Limiting Making Current	2 A
Coil Resistance	178 Ω
Contact Limiting Continuous Current	2 A



Coil Type	Monostable
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	Monostable, DC
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: JUN 2020 (209) 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

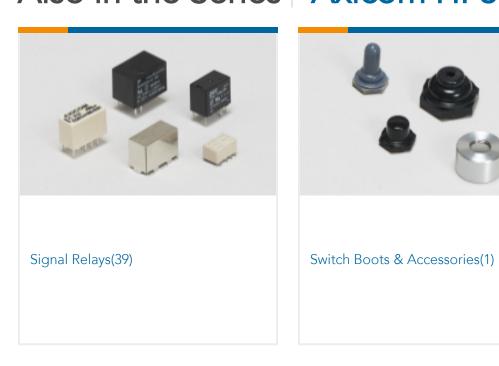
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



TE Model / Part #1551920-2

zQSFP+ connector assembly

Documents

TE Model / Part #2110819-1

QSFP+ Enh EVERCLEAR PT Conn

Product Drawings
HF353=50OHM140MW 5V MONO

English

HF353=50OHM140MW 5V MONO

English



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1462051-2_C_c-1462051-2-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1462051-2_C_c-1462051-2-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1462051-2_C_c-1462051-2-c.3d_stp.zip

English

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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