1-1462051-3 ACTIVE

Axicom | Axicom HF3

TE Internal #: 1-1462051-3

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-SMT, Axicom

HF3

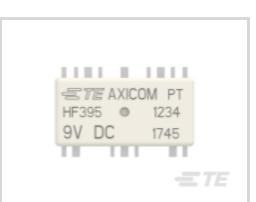
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Relays, Contactors & Switches > Relays > Signal Relays > Signal Relays: SMT, PCB Mount, 2 Amp











Contact Voltage Rating: 220 VDC

Signal Relay 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 Signal Relays: SMT, PCB Mount, 2 Amp (28)

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	574 Ω



Isolation (HF Parameter) -45dB @ 3GHz, -72dB @ 900MHz, -80dB @ 100MHz Insertion Loss (HF Parameter) -03dB @ 100MHz -12dB @ 900MHz, -, 35dB @ 3GHz -35dB @ 900MHz, -, 12dB @ 900MHz, -, 35dB @ 900MHz, -, 35dB @ 3GHz -35dB @ 3		
Contact Uniting Breaking Current 2 A Contact Voltage Rating 220 VDC Signal Relay Coil Power Rating (DC) 140 mW Signal Relay Coil Voltage Rating 9 VAC Signal Relay Contact Switching Voltage (Max) 220 VDC Signal Relay Coil Magnetic System Bistable, 2 Coils Signal Characteristics -558 @ 3GLD, -72dB @ 900MLD, -80dB @ 1000MLD, -12dB @ 900MLD, -80dB @ 1000MLD, -12dB @ 900MLD, -12	Contact Limiting Continuous Current	2 A
Contact Voltage Rating (DC) 140 mW Signal Relay Coil Power Rating (DC) 140 mW Signal Relay Coil Voltage Rating 9 VAC Signal Relay Corract Switching Voltage (Max) 20 VDC Signal Relay Corract Switching Voltage (Max) 250 VDC Signal Characteristics Isolation (HF Parameter) 456 8 3GHz, 72dB @ 900MHz, 80dB @ 100MHz 1	Coil Type	Bistable, 2 Coils
Signal Relay Coil Power Rating (DC) Signal Relay Coil Voltage Rating 9 VAC Signal Relay Contact Switching Voltage (Max) Signal Relay Coil Magnetic System Sody Features Insulation Loss (HF Parameter) Add 8 @ 3GHz, -/2dH @ 900MHz, -80dB @ 100MHz Sody Features Insulation Special Features Sody Features Sody Features Somatct Features Contact Pating Material Contact Plating Material Contact Prating Material Contact Current Rating Signal Relay Contact Arrangement I Form C (CO) Contact Material Contact Number of Poles Wechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) Width Class (Mechanical) Midth Class (Mechanical) 10 mm(394 in) Length Class (Mechanica) 11 mm(394 in)	Contact Limiting Breaking Current	2 A
Signal Relay Coil Voltage Rating 9 VAC Signal Relay Coil Magnetic System Bistable, 2 Coils Solation (HF Parameter) -45dB @ 3GHz, -72dB @ 900MHz, -80dB @ 100MHz Insertion Loss (HF Parameter) -35dB @ 100MHz, -12dB @ 900MHz, -35dB @ 3GHz Soldy Features Insulation Special Features 1500V Initial Surge Withstand Voltage between Contacts & Coil 2.5 oz Contact Plating Material Gold Contact Plating Material Gold Contact Current Class 0-2 A Signal Relay Terminal Type PCB-SMT Signal Relay Contact Current Rating 2 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel Contact Number of Poles 1 Vechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) 4-2 mm(,283 in) Height 10 mmf.394 in] Length Class (Mechanical) 4-16 mm	Contact Voltage Rating	220 VDC
Signal Relay Contact Switching Voltage (Max) Signal Relay Coil Magnetic System Signal Characteristics Isolation (HF Parameter) ASSIGNATION	Signal Relay Coil Power Rating (DC)	140 mW
Signal Relay Coil Magnetic System Signal Characteristics Isolation (HF Parameter) 45dB @ 3GHz, 72dB @ 900MHz, 80dB @ 100MHz, -12dB @ 900MHz, -35dB @ 3GHz Insertion Loss (HF Parameter)	Signal Relay Coil Voltage Rating	9 VAC
Signal Characteristics Isolation (HF Parameter) A558 @ 3GHz, -72dB @ 900MHz, 80dB @ 100MHz Insertion Loss (HF Parameter) -0.03dB @ 100MHz -12dB @ 900MHz, -35dB @ 3GHz -12dB @ 900MHz, -35dB @ 3GHz -0.03dB @ 100MHz, -12dB @ 900MHz, -35dB @ 3GHz -0.03dB @ 100MHz, -12dB @ 900MHz, -35dB @ 3GHz -12dB @ 900MHz, -30dB @ 100MHz, -35dB @ 3GHz -12dB @ 900MHz, -30dB @ 100MHz, -35dB @ 3GHz -12dB @ 900MHz, -30dB @ 100MHz, -35dB @ 3GHz -12dB @ 900MHz, -30dB @ 100MHz, -30dB @ 100MHz, -30dB @ 100MHz, -35dB @ 100MHz, -35dB @ 100MHz, -35dB @ 100MHz, -35dB @ 100MHz, -30dB @	Signal Relay Contact Switching Voltage (Max)	220 VDC
Isolation (HF Parameter) Isolation (HF Parameter) Insertion Loss (HF Parameter) Insertion Loss (HF Parameter) Insertion Loss (HF Parameter) Insulation Special Features Insulation Speci	Signal Relay Coil Magnetic System	Bistable, 2 Coils
Insertion Loss (HF Parameter) Insertion Loss (HF Parameter) Insulation Special Features Insulation S	Signal Characteristics	
Sody Features Insulation Special Features Insulation Surge Withstand Voltage between Contacts & Coil Insulation Special Features Insulation Special Features Insulation Special Features Insulation Surge Withstand Voltage between Contacts & Coil Insulation Surge With Surge S	Isolation (HF Parameter)	
Insulation Special Features 1500V Initial Surge Withstand Voltage between Contacts & Coil 2.5 oz 3.5 oz 4.5 oz 5.5 oz 6.2 oz 7.5 oz 8.5 oz 8.5 oz 8.5 oz 8.5 oz 8.5 oz 9.5	Insertion Loss (HF Parameter)	
between Contacts & Coil 2.5 oz Contact Features Contact Plating Material Contact Current Class Signal Relay Terminal Type PCB-SMT Signal Relay Contact Current Rating Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel Contact Number of Poles 1 Vechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) Height Length Class (Mechanical) 10 mm[.394 in] Length Class (Mechanical)	Body Features	
Contact Plating Material Gold Contact Current Class 0–2 A Signal Relay Terminal Type PCB-SMT Signal Relay Contact Current Rating 2A Signal Relay Contact Arrangement 1Form C (CO) Contact Material Nickel Contact Mumber of Poles 1 Wechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) 6–8 mm Width Class (Mechanical) 10 mm[.394 in] Length Class (Mechanical) 14–16 mm	Insulation Special Features	
Contact Plating Material Contact Current Class Signal Relay Terminal Type PCB-SMT Signal Relay Contact Current Rating Signal Relay Contact Arrangement Tontact Material Contact Material Nickel Contact Number of Poles Tontact Number of Poles Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) Height Length Class (Mechanical) 14–16 mm		2.5 oz
Contact Current Class Signal Relay Terminal Type Signal Relay Contact Current Rating Signal Relay Contact Current Rating Signal Relay Contact Arrangement Contact Material Contact Number of Poles Mechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) Width 7.2 mm[283 in] Height Length Class (Mechanical) 14 – 16 mm	Contact Features	
Signal Relay Terminal Type Signal Relay Contact Current Rating Signal Relay Contact Current Rating Signal Relay Contact Arrangement Signal Relay Contact Arrangement Contact Material Nickel Contact Number of Poles I Wechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) Width F.2 mm[.283 in] Height Length Class (Mechanical) I — 16 mm	Contact Plating Material	Gold
Signal Relay Contact Current Rating 2 A Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel Contact Number of Poles 1 Wechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) 6 – 8 mm Width Class (Mechanical) 7.2 mm[.283 in] Height 10 mm[.394 in] Length Class (Mechanical) 14 – 16 mm	Contact Current Class	0 – 2 A
Signal Relay Contact Arrangement 1 Form C (CO) Contact Material Nickel Contact Number of Poles 1 Wechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) 6 – 8 mm Width 10 mm[.283 in] Height 10 mm[.394 in] Length Class (Mechanical) 14 – 16 mm	Signal Relay Terminal Type	PCB-SMT
Contact Material Nickel Contact Number of Poles 1 Wechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) 6 – 8 mm Width Class (Mechanical) 7.2 mm[.283 in] Height 10 mm[.394 in] Length Class (Mechanical) 14 – 16 mm	Signal Relay Contact Current Rating	2 A
Contact Number of Poles Mechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) Width 7.2 mm[.283 in] Height Length Class (Mechanical) 14 – 16 mm	Signal Relay Contact Arrangement	1 Form C (CO)
Mechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) Width 7.2 mm[.283 in] Height 10 mm[.394 in] Length Class (Mechanical) 14 – 16 mm	Contact Material	Nickel
Signal Relay Mounting Type Printed Circuit Board Width Class (Mechanical) Width 7.2 mm[.283 in] Height Length Class (Mechanical) 14 – 16 mm	Contact Number of Poles	1
Width Class (Mechanical) Width Width T.2 mm[.283 in] Height Length Class (Mechanical) 10 mm[.394 in]	Mechanical Attachment	
Width Class (Mechanical) Width 7.2 mm[.283 in] Height Length Class (Mechanical) 14 – 16 mm	Signal Relay Mounting Type	Printed Circuit Board
Width 7.2 mm[.283 in] Height 10 mm[.394 in] Length Class (Mechanical) 14 – 16 mm	Dimensions	
Width 7.2 mm[.283 in] Height 10 mm[.394 in] Length Class (Mechanical) 14 – 16 mm	Width Class (Mechanical)	6 – 8 mm
Height 10 mm[.394 in] Length Class (Mechanical) 14 – 16 mm		7.2 mm[.283 in]
Length Class (Mechanical) 14 – 16 mm	Height	
		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
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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

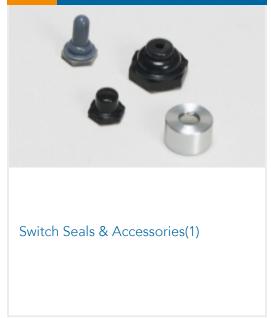


Compatible Parts



Also in the Series | Axicom HF3





Documents

Product Drawings

HF395=50OHM140MW 9V BIST 2COIL

English

HF395=50OHM140MW 9V 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

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-SMT, Axicom HF3



Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Product Specification

English