



[Axicom](#) | Axicom HF3

TE Internal #: 1-1462051-3

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

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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 | 574 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 | 9 VAC |
| Contact Switching Voltage (Max) | 220 VDC |
| Coil Magnetic System | Bistable, 2 Coils |

Signal Characteristics

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

Body Features

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

Contact Features

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|--------------------------|---------------|
| 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

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|---------------------------|-----------------|
| 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

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|---|---------------|
| 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

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|------------------|--------------------|
| 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>

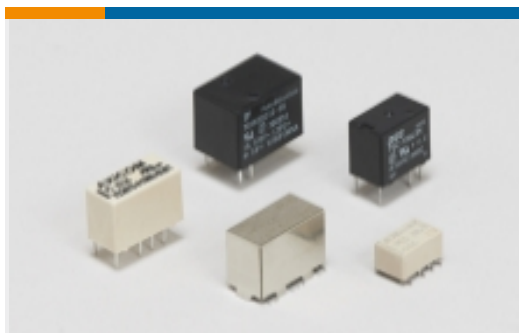


Compatible Parts




TE Model / Part # 4-1462051-1
HF3 95S=50OHM 140MW 9V BIST
2COIL

Also in the Series | Axicom HF3




Signal Relays(39)



Switch Boots & Accessories(1)

Customers Also Bought



TE Model / Part #822283-000
204K012-3-0



TE Model / Part #5-2176309-1
RP 1E 0.1W 33R2 0.1% 25PPM 1K RL



TE Model / Part #3-1761607-7
IDC LOW PRO HDR 64P RA LG LAT



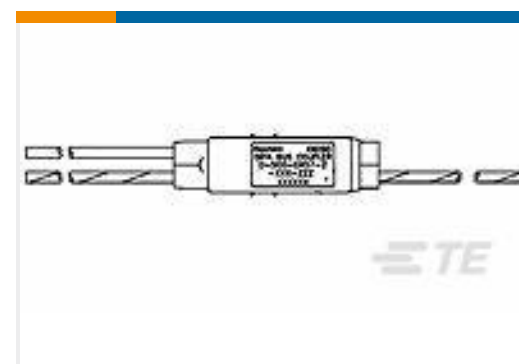
TE Model / Part #1052455-1
2052 0435 00



TE Model / Part #1-1462052-9
HF6 95=50OHM140MW 9V BIST 2COIL



TE Model / Part #1-926657-0
10P LOCKG



TE Model / Part #903575-000
D-500-0457-2-612-240

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

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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