



[Axicom](#) | Axicom HF3

TE Internal #: 2-1462051-3

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140mW Coil Power Rating DC, Printed Circuit Board, Axicom HF3

[View on TE.com >](#)

Relays & Contactors > Relays > Signal Relays > Axicom HF Relay 3GHz, Shielded



Contact Voltage Rating: **220 VDC**

Coil Power Rating DC: **140 mW**

Isolation (HF Parameter): **-55dB @ 3GHz, -80dB @ 900MHz, -95dB @ 100MHz**

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

[All Axicom HF Relay 3GHz, Shielded \(10\)](#)

Features

Configuration Features

Contact Special Features	Gull Wing
Contact Arrangement	1 Form C (CO)
Contact Number of Poles	1

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	600 Vrms
Contact Limiting Making Current	2 A
Contact Limiting Short-Time Current	2 A
Contact Limiting Continuous Current	2 A
Voltage Standing Wave Ration (HF Parameter)	1.07 @ 100MHz, 1.45 @ 900MHz
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Breaking Current	2 A
Coil Resistance	178 Ω
Contact Voltage Rating	220 VDC



Coil Power Rating DC	140 mW
Coil Voltage Rating	5 VAC
Contact Current Rating	2 A
Contact Switching Voltage (Max)	220 VDC

Signal Characteristics

Isolation (HF Parameter)	-55dB @ 3GHz, -80dB @ 900MHz, -95dB @ 100MHz
Insertion Loss (HF Parameter)	-.03dB @ 100MHz, -.12dB @ 900MHz, -.3dB @ 3GHz

Body Features

	3 oz
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Contact Features

Contact Plating Material	Gold
Contact Material	Nickel

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	PCB SMT

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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Dimensions

Product Width	7.5 mm[.295 in]
Product Length	14.9 mm[.586 in]
Product Height	10.5 mm[.413 in]

Usage Conditions

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

Operation/Application

Actuating System	DC
Solder Process	Reflow Solder
Performance Type	Standard
Coil Magnetic System	Monostable

Packaging Features

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Packaging Method	Box & Carton, Reel
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Other

Length Class (Mechanical)	14 – 16 mm
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	10 – 11 mm
Coil Power Rating Class	50 – 300 mW
Width Class (Mechanical)	6 – 8 mm
Contact Current Class	0 – 2 A

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: JAN 2024 (240) 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

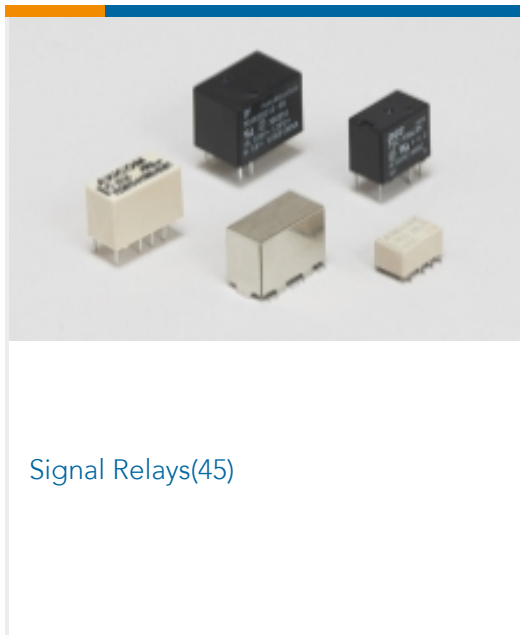
Product Compliance Disclaimer

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>

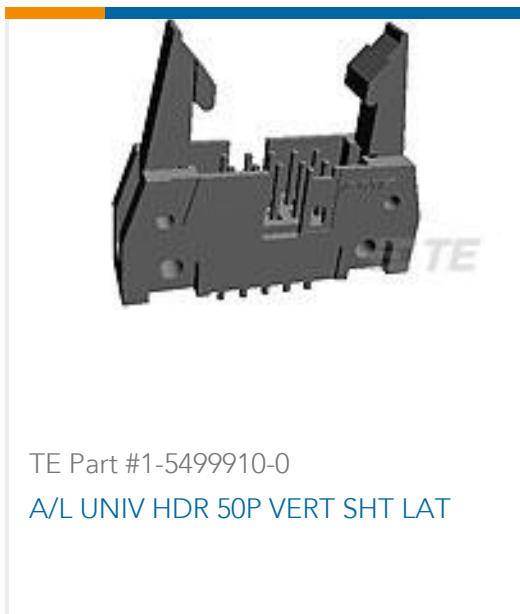
Compatible Parts



Also in the Series | Axicom HF3



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1462051-3_C_c-1462051-3-c.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1462051-3_C_c-1462051-3-c.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1462051-3_C_c-1462051-3-c.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1462051-3_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1462051-3_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1462051-3_A1.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-1462051-3_F_c-2-1462051-3-f.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1462051-3_F_c-2-1462051-3-f.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1462051-3_F_c-2-1462051-3-f.3d_stp.zip](#)

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

[HF3S Relay Datasheet](#)

English

Product Specifications



Definitions General Purpose Relays

English