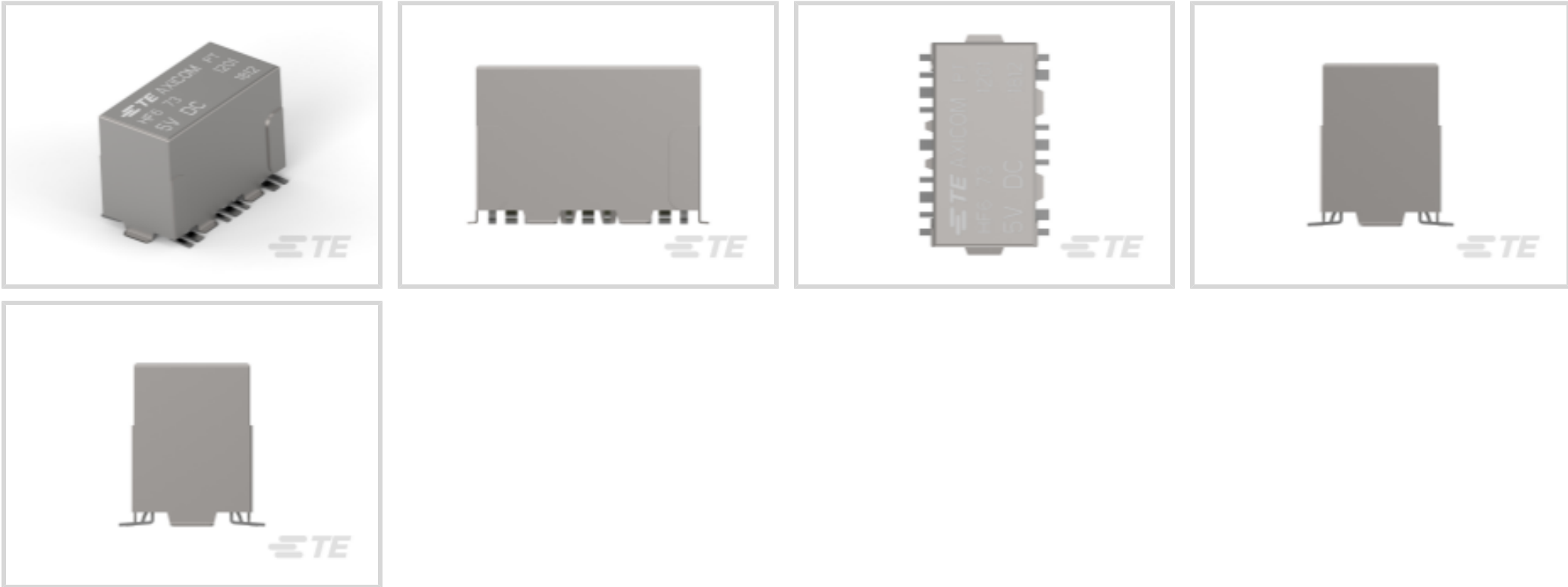




Relays & Contactors > Electromechanical Relays > Axicom HF Relay 6GHz



Relay & Contactor Type: **RF Relay**

Coil Magnetic System: **Bistable, 1 Coil**

Contact Arrangement: **1 Form C SPDT-CO**

Current Type: **DC**

Contact Current Rating: **2 A**

[All Axicom HF Relay 6GHz \(5\)](#)

Features

Product Type Features

Relay & Contactor Type	RF Relay
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Configuration Features

Contact Special Features	Gull Wing
Relay Options	Power Switching, RF Rated
Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	2 A
Contact Limiting Making Current	2 A
Contact Limiting Continuous Current	2 A
Contact Limiting Breaking Current	2 A
Insulation Initial Dielectric Between Open Contacts	600 Vrms



Contact Switching Voltage (Max)	250 VAC
Voltage Standing Wave Ration (HF Parameter)	1.07db @ 100MHz, 1.45db @ 900MHz
Coil Resistance	357 Ω
Insulation Initial Resistance	1000000 M Ω
Contact Current Rating	2 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	30 VDC
Coil Power Rating DC	.07 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Signal Characteristics

Insertion Loss (HF Parameter)	-.05dB @ 900MHz, -.15dB @ 3GHz, -.8dB @ 6GHz
Isolation (HF Parameter)	-30dB @ 6GHz, -60dB @ 3GHz, -80dB @ 900MHz

Body Features

	3 oz
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Plating Material	Gold
Contact Material	Nickel

Termination Features

Main Termination & Connection Type	PCB SMT
Coil Termination & Connection Type	PCB SMT

Mechanical Attachment

Product Mount Type	Board Mount
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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

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Environmental Category of Protection	RTIII



Environmental Ambient Temperature (Max)	85 °C[185 °F]
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Operation/Application

Solder Process	Reflow Solder Capable
Coil Magnetic System	Bistable, 1 Coil
Current Type	DC

Packaging Features

Packaging Method	Box & Carton, Reel
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Other

Coil Power Rating Class	≤.15 W
Contact Current Class	≤2 A
Height Class (Mechanical)	>7 – ≤11 mm[>.276 – ≤.433 in]
Length Class (Mechanical)	>11 – ≤16 mm[>.433 – ≤.63 in]
Width Class (Mechanical)	>7 – ≤11 mm[>.276 – ≤.433 in]

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (2% in Component) Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 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>

Also in the Series

Axicom HF6

DC Relays(6)

Electromechanical Relays(6)

RF Relays(5)

Customers Also Bought

TE Part #554808-1
HDW KIT, STDOFF STUD METRIC

TE Part #1934226-1
Tin man Recpt Assy3pair8 Colum

TE Part #2187724-1
SW PIR HDR BP, 92OHM, 4X4 OEW

TE Part #2187726-1
SW PIR HDR BP, 92OHM, 4X6 OEW

TE Part #5-2364427-8
PCIE GEN5 CON,SMT,164P,30u", MYLAR,HT

TE Part #2057443-2
IMP100S,H,V4P8C,UG,LEW46,4.9

TE Part #2187690-1
SW PIR HDR BP, 92OHM, 6X6 OE

TE Part #2325259-1
RA REC ASSY 4X6, 92OHM PIR WHISPER R

TE Part #2332485-1
RA REC ASSY 4X4, 92OHM PIR WHISPER R

TE Part #2366837-2
Stand Power Timer Contact 10-12AWG



Documents

Product Drawings

HF6 73 = 50OHM 70MW 5V BIST 1COIL

English

HF6 73 = 50OHM 70MW 5V BIST 1COIL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1462052-0_F_c-1-1462052-0-f.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1462052-0_F_c-1-1462052-0-f.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1462052-0_F_c-1-1462052-0-f.3d_stp.zip

English

Customer View Model

ENG_CVM_1462052-2_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_1462052-2_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_1462052-2_A1.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_CVM_1462052-2_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1462052-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1462052-2_D.3d_stp.zip

English

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Datasheets & Catalog Pages



[Axicom Signal and High Frequency Relays \(RF Switches\) APPLICATION NOTE #2](#)

English

[HF6 Relay Datasheet](#)

English

[Product Specifications](#)

[Definitions General Purpose Relays](#)

English