



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



Relay Type: **RF Relay**  
Contact Arrangement: **1 Form C SPDT-CO**  
Coil Magnetic System: **Monostable**  
Contact Current Rating: **2 A**  
Performance Type: **Standard**

[All Signal Relays: SMT, PCB Mount, 2 Amp \(28\)](#)

Features

Product Type Features

Relay Type	RF Relay
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Configuration Features

Contact Special Features	Gull Wing
Contact Arrangement	1 Form C SPDT-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	4114 Ω
Contact Current Rating	2 A
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.14 W
Coil Voltage Rating	24 VAC
Contact Switching Voltage (Max)	250 VAC

Signal Characteristics

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

Body Features

	2.5 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	7.2 mm[.283 in]
Product Length	14.6 mm[.574 in]
Product Height	9.1 mm[.358 in]

Usage Conditions

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

Operation/Application

Current Type	DC
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Coil Magnetic System	Monostable
Performance Type	Standard

Packaging Features

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)	9 – 10 mm
Coil Power Rating Class	.05 – .3 W
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: JUNE 2024 (241) 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

TE Part # 2-1462051-2  
HF3 57S=50OHM140MW 24V MONO

TE Part # 1462050-5  
HF307=75OHM140MW24V MONO

Also in the Series | Axicom HF3

Signal Relays(45)

Customers Also Bought

TE Part #1-338168-2  
9POL HDP20 PLUG

TE Part #3-338309-2  
9POS.HD20 PLUG ASSY

TE Part #1462051-4  
HF356=50OHM140MW12V MONO

TE Part #2309409-1  
DDR4 SODIMM 260P 5.2H STD

TE Part #1825058-1  
ADE02S04=DIP SWITCH,EXT,SMT-GW

TE Part #6339191-4  
MJ,RJ45,SMT,SHLD,LED (G/Y)

TE Part #2-2176331-9  
CRGP 2512 2K2 1%

TE Part #8-1415017-1  
SR6A4005 - V23050-A1005-A533



TE Part #254897-E  
STVC 96 F ABC VV 7-00 TL 4,0 \* 137  
E007



TE Part #3-1393115-1  
KUL-11D15D-12=KU

Documents

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

HF3 Relay Datasheet

English

Product Specifications

Definitions General Purpose Relays

English