1-1462050-6 ✔ ACTIVE

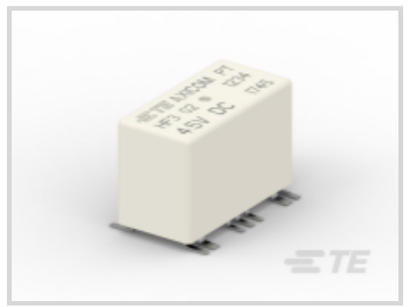
Axicom | Axicom HF3

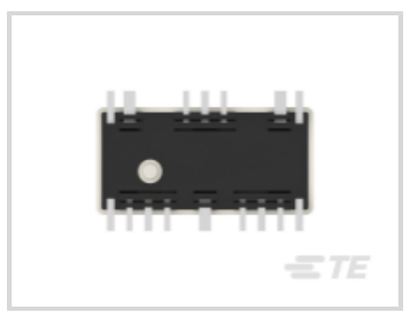
TE Internal #: 1-1462050-6

.14 W, RF Relay, Contact Arrangement 1 Form C SPDT-CO, Monostable, 2A Contact Current Rating, Standard, Printed Circuit Board, Axicom HF3

View on TE.com >

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

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	145 Ω
Contact Current Rating	2 A
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.14 W
Coil Voltage Rating	5 VAC
Contact Switching Voltage (Max)	250 VAC

Signal Characteristics

Isolation (HF Parameter)	-40dB @ 3GHz, -72dB @ 900MHz, -80dB @ 100MHz
Insertion Loss (HF Parameter)	-.03dB @ 100MHz, -.12dB @ 900MHz, -.4dB @ 3GHz

Body Features

	2.5 oz

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

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

Coil Magnetic System	Monostable
Performance Type	Standard

Packaging Features

Packaging Method	Box & Carton, Reel

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

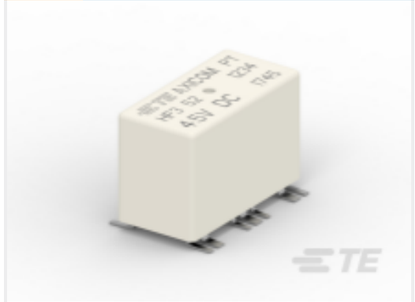
For compliance documentation, visit the product page on TE.com>

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

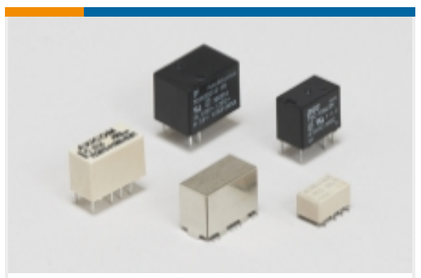
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-1462051-6
HF3 52=50 OHM 140MW 4.5V MONO

Also in the Series | Axicom HF3



Signal Relays(45)

Customers Also Bought



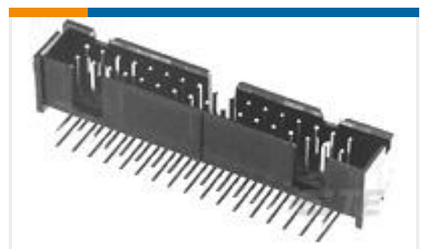
TE Part #446638-000
STD Snap-On Markers



TE Part #5103308-8
A/L LOW PRO HDR 40P VERT BLACK



TE Part #2-2013022-1
EMBOSS TAPE DDR3 204P 4H STD



TE Part #5103310-1
A/L LOW PRO HDR 10P RA BLACK



TE Part #2-1445057-2
MICRO MNL HDR ASSY SINGLE ROW



TE Part #5767096-8
MICT,REC,038,ASY,.025,TAPE,CAP

Documents

CAD Files

Customer View Model

ENG_CVM_1462050-2_A6.3d_igs.zip

English

Customer View Model

ENG_CVM_1462050-2_A6.3d_stp.zip

English

Customer View Model

ENG_CVM_1462050-2_A6.2d_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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

SBCHE64R7K 1-794222-0 1969656-1 2-292161-3 2834055-1 3631B101LL 1393431-1 2005330-1 2310537-1 3-1393225-0 SMW73R0JT 917696-1 936348-1 RH73H2A40MKTN 175977-2 3430B2F51RTDF 650075-000 ROX05SJ18R U5254-000005-030PA 1743455-2 CPF0402B37K4E1 CRGCQ2010J3K3 SBCHE154R7K MPT100C18RF TE50BR39J 1-962915-1 141991-2 1903112-2 2377783-2 2380312-2