IMB03ITS ✔ ACTIVE

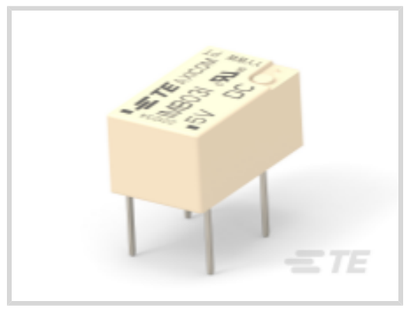
Axicom | Axicom IM

TE Internal #: 2-1462041-5

.14 W, General Purpose Signal Relay, Contact Arrangement 1 Form A SPST-NO, Monostable, Polarized, 2A Contact Current Rating, High Current, Axicom IM

View on TE.com >

Relays & Contactors > Relays > Signal Relays




Relay Type: **General Purpose Signal Relay**

Contact Arrangement: **1 Form A SPST-NO**

Coil Magnetic System: **Monostable, Polarized**

Contact Current Rating: **2 A**

Performance Type: **High Current**

Features

Product Type Features

Relay Type	General Purpose Signal Relay

Configuration Features

Contact Special Features	Single Contact
Contact Arrangement	1 Form A SPST-NO
Contact Number of Poles	1

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	1000 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)	1.06 @ 100MHz, 1.49 @ 900Mhz
Insulation Initial Dielectric Between Contacts & Coil	1800 Vrms
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Breaking Current	2 A

Contact Switching Load (Min)	.1mA @ .0001V
Coil Resistance	178 Ω
Contact Current Rating	2 A
Contact Voltage Rating	220 VDC
Coil Power Rating DC	.14 W
Coil Voltage Rating	5 VDC
Contact Switching Voltage (Max)	250 VAC

Signal Characteristics

Isolation (HF Parameter)	-18.8dB @ 900MHz, -37dB @ 100MHz
Insertion Loss (HF Parameter)	-.03dB @ 100MHz, -.33dB @ 900MHz

Body Features

Product Weight	.75 g[.026 oz]

Contact Features

Contact Plating Material	Gold
Contact Material	AgNi

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	PCB Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board

Dimensions

Product Width	6 mm[.236 in]
Product Length	10 mm[.393 in]
Product Height	5.65 mm[.222 in]

Usage Conditions

Environmental Category of Protection	RTV
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-40 – 85 °C

Operation/Application

Current Type	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable, Polarized

Performance Type	High Current

Packaging Features

Packaging Method	Tube

Other

Length Class (Mechanical)	0 – 10 mm
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	0 – 6 mm
Coil Power Rating Class	.05 – .3 W
Width Class (Mechanical)	0 – 6 mm
Contact Current Class	0 – 2 A

Product Compliance

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

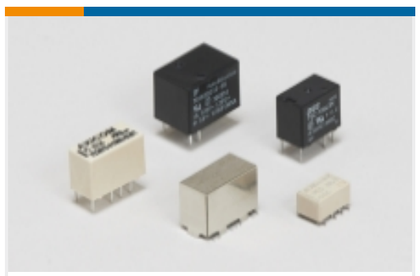
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Compatible Parts

TE Part # 1462041-8
IMB03CTS=IM RELAY 140mW 5V HDV

Also in the Series | Axicom IM

RJ45 Connectors(2)



Signal Relays(154)

Customers Also Bought

TE Part #1-480274-0
09P CMNL PLUG HSG P/M NATL

TE Part #1-480277-0
09P CMNL CAP HSG P/M NATL

TE Part #2-1437667-6
4DB-P108-04=4DB ASSEMBLY

TE Part #61173-1
CMNL SOK 30-22 PTBR L/P

TE Part #61116-1
CMNL PIN 24-18 PTBR

TE Part #2-1437667-5
4DB-P108-03=4DB ASSEMBLY

TE Part #6-1625867-6
RP 1J 0.166W 29R4 0.1% 25PPM 1K RL

TE Part #794939-1
04P MINI UMNL CAP HSG

TE Part #1SNK905304R0000
JB5-4

TE Part #L9000032-01
Antenna 1/2 Wave Swivel 2.4GHz SMA

Documents

Product Drawings

IMB03ITS=IM RELAY 140mW 5V

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1462041-5_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1462041-5_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1462041-5_1.3d_stp.zip

English

3D PDF

3D

Datasheets & Catalog Pages

IMB Relay

English

Agency Approvals

UL

English