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IMC06GR ✔ ACTIVE

Axicom | Axicom IM

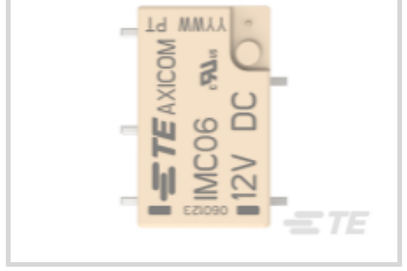
TE Internal #: 1462042-3

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-SMT, Axicom IM

View on TE.com >

Relays, Contactors & Switches > Relays > Signal Relays > Signal Relay: 1 Form C, 1 CO Contacts








Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **140 mW**

Isolation (HF Parameter): **-18.8dB @ 900MHz, -37dB @ 100MHz**

Insertion Loss (HF Parameter): **-.03dB @ 100MHz, -.33dB @ 900MHz**

All Signal Relay: 1 Form C, 1 CO Contacts (7)

Features

Product Type Features

Relay Type	IM Relay
Product Type	Relay

Electrical Characteristics

Coil Power Rating Class	50 – 300 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Short-Time Current	4 A
Insulation Initial Dielectric Between Contacts and Coil	1800 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	1500 V – 2500 VA
Voltage Standing Wave Ration (HF Parameter)	1.06 @ 100MHz, 1.49 @ 900Mhz
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Making Current	4 A
Coil Resistance	1029 Ω

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Contact Limiting Continuous Current	3 A
Coil Type	Monostable
Contact Limiting Breaking Current	4 A
Contact Switching Load (Min)	.1mA @ .0001V
Contact Voltage Rating	220 VDC
Signal Relay Coil Power Rating (DC)	140 mW
Signal Relay Coil Voltage Rating	12 VDC
Signal Relay Contact Switching Voltage (Max)	220 VDC
Signal Relay Coil Magnetic System	Monostable, DC, Polarized

Signal Characteristics

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

Body Features

Insulation Special Features	2500V Initial Surge Withstand Voltage between Contacts & Coil
Weight	.75 g[.026 oz]

Contact Features

Contact Plating Material	Gold
Contact Current Class	0 – 4 A
Contact Special Features	Bifurcated/Twin Contacts
Signal Relay Terminal Type	PCB-SMT
Signal Relay Contact Current Rating	4 A
Signal Relay Contact Arrangement	1 Form C (CO)
Contact Material	PdRu+Au
Contact Number of Poles	1

Termination Features

Termination Type	Surface Mount

Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board

Dimensions

Width Class (Mechanical)	0 – 6 mm
Width	6 mm[.222 in]

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Height	5.65 mm[.224 in]
Length Class (Mechanical)	0 – 10 mm
Length	10 mm[.393 in]
Height Class (Mechanical)	0 – 6 mm
Dimensions (L x W x H) (Approximate)	10 x 6 x 5.65 mm[.393 x .236 x .222 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[185 °F]
Environmental Ambient Temperature Class	70 – 85°C
Operating Temperature Range	-40 – 85 °C

Operation/Application

Performance Type	Standard

Packaging Features

Packaging Method	Reel

Other

Additional Features	Gull Wing

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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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	Reflow solder capable to 260°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

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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 # 1462042-9
IMC06CGR=IM Relay 140mW 12V 1CO

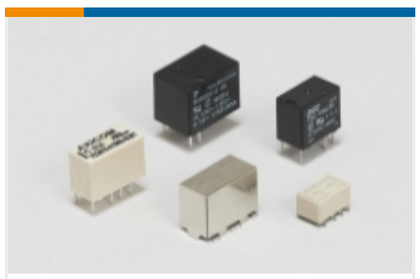


TE Part # 1462042-6
IMC06TS=IM RELAY 140mW 12V 1CO

Also in the Series | Axicom IM



RJ45 Connectors(2)



Signal Relays(140)

Customers Also Bought



TE Part #1462041-3
IMB06CGR=IM RELAY 140mW 12V HDV



TE Part #1-173977-2
CT CONN MT REC ASSY 12P



TE Part #4-2176070-7
3521 820R 1% 2W



TE Part #1-1879071-5
THS50 2R0 5%



TE Part #6339169-3
ASSY,SHLD,1X8,MJ,WAVE PNL



TE Part #5-1676481-1
CPF 0603 680R 0.1% 25PPM 1K RL



TE Part #3-1676481-7
CPF 0603 180R 0.1% 25PPM 1K RL



TE Part #2176081-5
EP 1W (S) 47R 5%

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TE Part #321875

TERMINAL,SOLIS R 3/0 3/8

Documents

Product Drawings

IMC06GR=IM RELAY 140mW 12V 1CO

English

IMC06GR=IM RELAY 140mW 12V 1CO

English

CAD Files

Customer View Model

ENG_CVM_CVM_1462042-3_B5.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1462042-3_B5.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1462042-3_B5.2d_dxf.zip

English

3D PDF

3D

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

IMC Relay

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English