



SIGNAL RELAYS



✓ Active

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TE CONNECTIVITY (TE)

IM46GR=IM RELAY 100 MW 12 V BI

Axicom | IM

6-1462037-7

TE Internal Number: 6-1462037-7

Always EU RoHS/ELV Compliant

Contact Voltage Rating **250 VAC [220 VDC]**

Coil Power Rating (DC) (mW) **100**

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

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

Insulation Initial Resistance (M Ω) **1000000**

Product Drawings

IM-Relay Marking

PDF
English

IM2-G-Relay

PDF
English

CAD Files

Customer View Model

2D_DXF.ZIP
English

3D PDF

PDF
3D

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Product Specifications

Product Specification

IM Relay Datasheet

PDF
English

Definitions Relays

PDF
English

Product Environmental Compliance

TE Material Declaration

MD_6-1462037-7_070620151114_dmtec

PDF
English

Drawing for all design activity.

Product Type Features	Product Type	Relay
	Relay Type	IM Relay
Electrical Characteristics	Contact Voltage Rating	250 VAC [220 VDC]
	Coil Power Rating (DC) (mW)	100
	Insulation Initial Resistance (MΩ)	1000000
	Coil Voltage Rating (VAC)	12
	Contact Switching Voltage (Max)	250 VAC [220 VDC]
	Coil Magnetic System	Bistable, 1 Coil
	Insulation Initial Dielectric Between Coil/Contact Class	1500 V – 2500 VA
	Insulation Initial Dielectric Between Adjacent Contacts (Vrms)	1000
	Insulation Initial Dielectric Between Contacts and Coil (Vrms)	1800
	Contact Limiting Making Current (A)	2
	Insulation Initial Dielectric Between Open Contacts (Vrms)	1000
	Actuating System	DC
	Contact Limiting Short-Time Current (A)	2
	Contact Limiting Continuous Current (A)	2
	Coil Resistance (Ω)	1440
	Contact Switching Load (Min)	.1mA @ .0001V
	Contact Limiting Breaking Current (A)	2
	Coil Power Rating Class	50 – 300mW
	Coil Type	Bistable
	Voltage Standing Wave Ration (HF Parameter)	1.06 @ 100MHz, 1.49 @ 900Mhz
Signal Characteristics	Isolation (HF Parameter)	-37dB @ 100MHz, -18.8dB @ 900MHz
	Insertion Loss (HF Parameter)	-.33dB @ 900MHz, -.03dB @ 100MHz
Body Features	Insulation Special Features	2500V Initial Surge Withstand Voltage between Contacts & Coil
Contact Features	Terminal Type	PCB-SMT
	Contact Current Rating (A)	2
	Contact Arrangement	2 Form C (CO)
	Contact Material	PdRu

Contact Number of Poles	2
Contact Special Features	Bifurcated/Twin Contacts
Contact Current Class	0 – 2 A
Contact Plating Material	Gold

Mechanical Attachment	Mounting Type	Printed Circuit Board
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Dimensions	Length Class (Mechanical)	0 – 10 mm
	Width Class (Mechanical)	0 – 6 mm
	Length (in)	10
	Width	6 mm [.236 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]
	Height	5.6 mm [.221 in]

Usage Conditions	Environmental Category of Protection	RTV
	Environmental Ambient Temperature (Max)	85 °C [85 °F]
	Environmental Ambient Temperature Class	70 – 85°C

Operation/Application	Performance Type	Standard
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Packaging Features	Packaging Method	Reel
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Other	Additional Features	Gull Wing
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Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>SURFACE MOUNT RESISTORS</p>  <p>CPF 0603 40K2 0.1% 25PPM 1K RL CPF0603B40K2E1</p>	<p>SURFACE MOUNT RESISTORS</p>  <p>CRGH0805 5% 75R 0.33W CRGH0805J75R</p>	<p>SURFACE MOUNT RESISTORS</p>  <p>CPF 0603 22K1 0.1% 25PPM 1K RL CPF0603B22K1E1</p>	<p>PCB D-SUB CONNECTORS</p>  <p>25POS.HD20 PLUG ASS 5-338311-2</p>
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