RELAYS, CONTACTORS & SWITCHES

SIGNAL RELAYS

Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

IM06DGR=IM RELAY 140MW 12V

Axicom | IM

1-1462039-8
TE Internal Number: 1-1462039-8

Always EU RoHS/ELV Compliant

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

Coil Power Rating (DC) (mW) **140**

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

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

Insulation Initial Resistance (MΩ) **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

Please review product documents or contact us for the latest agency approval information. Please Note: Use the Product 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)	**140**
	Insulation Initial Resistance (MΩ)	**1000000**
	Coil Voltage Rating (VAC)	**12**
	Contact Switching Voltage (Max)	**250 VAC [220 VDC]**
	Coil Magnetic System	**Monostable, DC**
	Insulation Initial Dielectric Between Coil/Contact Class	**1000 V – 1500 VA**
	Insulation Initial Dielectric Between Adjacent Contacts (Vrms)	**750**
	Insulation Initial Dielectric Between Contacts and Coil (Vrms)	**1500**
	Contact Limiting Making Current (A)	**5**
	Insulation Initial Dielectric Between Open Contacts (Vrms)	**750**
	Actuating System	**DC**
	Contact Limiting Short-Time Current (A)	**5**
	Contact Limiting Continuous Current (A)	**5**
	Coil Resistance (Ω)	**1029**
	Contact Switching Load (Min)	**.1mA @ .0001V**
	Contact Limiting Breaking Current (A)	**5**
	Coil Power Rating Class	**50 – 300mW**
	Coil Type	**Monostable**
	Voltage Standing Wave Ration (HF Parameter)	**1.07 @ 100MHz, 1.45 @ 900MHz**
Signal Characteristics	Isolation (HF Parameter)	**-37dB @ 100MHz, -18.8dB @ 900MHz**
	Insertion Loss (HF Parameter)	**-.33dB @ 900MHz, -.03dB @ 100MHz**
Body Features	Insulation Special Features	**2000V Initial Surge Withstand Voltage Between Contacts & Coil**
	Weight (oz)	**.75**
Contact Features	Terminal Type	**PCB-SMT**
	Contact Current Rating (A)	**5**
	Contact Arrangement	**2 Form C (CO)**
	Contact Material	**AgNi**
	Contact Number of Poles	**2**
	Contact Special Features	**Bifurcated/Twin Contacts**

	Contact Current Class	**2 – 5 A**
	Contact Plating Material	**Gold**
Mechanical Attachment	Mounting Type	**Printed Circuit Board**
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	**High Current**
Packaging Features	Packaging Method	**Reel**
Other	Additional Features	**Gull Wing**
Product Compliance	Statement of Compliance PDF	
	VIEW ALL PRODUCT COMPLIANCE	