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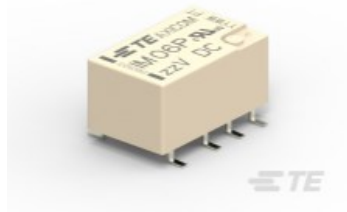
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Reliable Switching Devices &gt; Relays &gt; Signal Relays

5-1462039-6

Axicom IM, Signal Relays, 220VDC Contact Voltage Rating, 250VAC Contact Voltage Rating, 140mW Coil Power Rating (DC)



Axicom | Axicom IM

TE Internal #: **5-1462039-6**TE Internal Description: **IM06PGR=IM RELAY  
140MW 12V**Contact Voltage Rating (VDC): **220**Contact Voltage Rating (VAC): **250**Coil Power Rating (DC) (mW): **140**Isolation (HF Parameter) : **-18.8dB @ 900MHz,  
-37dB @ 100MHz**Insertion Loss (HF Parameter) : **-.03dB @  
100MHz, -.33dB @ 900MHz** [Digital Datasheet](#)

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Features

Product Compliance

Product Drawings

IM06PGR=IM RELAY 140MW 12V

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CAD Files

PCB Design

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Customer View Model

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Datasheets &amp;

Axicom Signal and High Frequency Relays (RF  
Compatible) APPLICATION NOTE #2

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Industrial Relays Quick Reference Guide

[📄 ENG\\_DS\\_1-1773969-4\\_2002.pdf](#)

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[📄 ENG\\_DS\\_108-98001\\_Z.pdf](#)

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## Product Specifications

Definitions Relays

[📄 ENG\\_SS\\_Definitions\\_Relays\\_0518.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 Switching Load (Min) : **.1mA @ .0001V**

Contact Limiting Breaking Current (A): **2**

Contact Voltage Rating (VDC): **220**

Contact Voltage Rating (VAC): **250**

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

Coil Voltage Rating (VDC): **12**

Contact Switching Voltage (Max) (VAC): **250**

Contact Switching Voltage (Max) (VDC): **220**

Coil Magnetic System : **Monostable, DC, Polarized**

Coil Type : **Monostable**

Contact Limiting Continuous Current (A): **2**

Coil Resistance (Ω): **1029**

Contact Limiting Making Current (A): **2**

Insulation Initial Resistance (MΩ): **1000000**

Insulation Initial Dielectric Between Adjacent Contacts (Vrms): **750**

Voltage Standing Wave Ration (HF Parameter) :

**1.06 @ 100MHz, 1.49 @ 900Mhz**

Insulation Initial Dielectric Between Coil/Contact Class :

**1500 V – 2500 VA**

Insulation Initial Dielectric Between Contacts and Coil (Vrms):

**1500**

Contact Limiting Short-Time Current (A): **2**

Insulation Initial Dielectric Between Open Contacts (Vrms):

**1000**

Actuating System : **DC**

Coil Power Rating Class : **50 – 300 mW**

## Signal Characteristics

Isolation (HF Parameter) :

**-18.8dB @ 900MHz, -37dB @ 100MHz**

Insertion Loss (HF Parameter) :

**-.03dB @ 100MHz, -.33dB @ 900MHz**

## Body Features

Weight : **.75 g [ .026 oz ]**

Insulation Special Features :

**2000V Initial Surge Withstand Voltage Between Contacts & Coil**

Contact Features	Terminal Type : <b>PCB-SMT</b> Contact Current Rating (A): <b>2</b> Contact Arrangement : <b>2 Form C (2 CO)</b> Contact Material : <b>PdRu+Au</b> Contact Number of Poles : <b>2</b> Contact Special Features : <b>Bifurcated/Twin Contacts</b> Contact Current Class : <b>0 – 2 A</b> Contact Plating Material : <b>Gold</b>
Termination Features	Termination Type : <b>Surface Mount</b>
Mechanical Attachment	Mounting Type : <b>Printed Circuit Board</b>
Dimensions	Dimensions (L x W x H) (Approximate) : <b>10 x 6 x 5.65 mm [ .393 x .236 x .222 in ]</b> Height Class (Mechanical) : <b>0 – 6 mm</b> Length : <b>10 mm [ .393 in ]</b> Length Class (Mechanical) : <b>0 – 10 mm</b> Height (mm): <b>5.65</b> Width : <b>6 mm [ .222 in ]</b> Width Class (Mechanical) : <b>0 – 6 mm</b>
Usage Conditions	Operating Temperature Range (°C): <b>-40 – 85, -40 – 85</b> Environmental Category of Protection : <b>RTV</b> Environmental Ambient Temperature Class : <b>70 – 85°C</b> Environmental Ambient Temperature (Max) : <b>85 °C [ 185 °F ]</b>
Operation/Application	Performance Type : <b>High Contact Stability</b>
Packaging Features	Packaging Method : <b>Reel</b>
Other	Additional Features : <b>Gull Wing</b>
Statement of Compliance	<a href="#">Statement of Compliance pdf</a>

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