



## SIGNAL RELAYS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### IM42GR =IM RELAY 100 MW 4.5 V

Axicom | IM

3-1462037-1

TE Internal Number: 3-1462037-1

Alias ID: 1380064, 1413479, CA3323-000, IM42GS, PER-C103-3003-0297

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 (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

#### Product Environmental Compliance

TE Material Declaration

##### MD\_3-1462037-1\_02242016234\_dmtec

PDF  
English

Drawing for all design activity.

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Product Type Features	Product Type	Relay
	Relay Type	IM Relay
Electrical Characteristics	Contact Voltage Rating	<b>250 VAC [ 220 VDC ]</b>
	Coil Power Rating (DC) (mW)	<b>100</b>
	Insulation Initial Resistance (M $\Omega$ )	<b>1000000</b>
	Coil Voltage Rating (VAC)	<b>5</b>
	Contact Switching Voltage (Max)	<b>250 VAC [ 220 VDC ]</b>
	Coil Magnetic System	<b>Bistable, 1 Coil</b>
	Insulation Initial Dielectric Between Coil/Contact Class	<b>1500 V – 2500 VA</b>
	Insulation Initial Dielectric Between Adjacent Contacts (Vrms)	<b>1000</b>
	Insulation Initial Dielectric Between Contacts and Coil (Vrms)	<b>1800</b>
	Contact Limiting Making Current (A)	<b>2</b>
	Insulation Initial Dielectric Between Open Contacts (Vrms)	<b>1000</b>
	Actuating System	<b>DC</b>
	Contact Limiting Short-Time Current (A)	<b>2</b>
	Contact Limiting Continuous Current (A)	<b>2</b>
	Coil Resistance ( $\Omega$ )	<b>203</b>
	Contact Switching Load (Min)	<b>.1mA @ .0001V</b>
	Contact Limiting Breaking Current (A)	<b>2</b>
	Coil Power Rating Class	<b>50 – 300mW</b>
	Coil Type	<b>Bistable</b>
	Voltage Standing Wave Ration (HF Parameter)	<b>1.07 @ 100MHz, 1.45 @ 900MHz</b>
Signal Characteristics	Isolation (HF Parameter)	<b>-37dB @ 100MHz, -18.8dB @ 900MHz</b>
	Insertion Loss (HF Parameter)	<b>-.33dB @ 900MHz, -.03dB @ 100MHz</b>
Body Features	Insulation Special Features	<b>2500V Initial Surge Withstand Voltage between Contacts &amp; Coil</b>
	Weight (oz)	<b>.75</b>
Contact Features	Terminal Type	<b>PCB-SMT</b>
	Contact Current Rating (A)	<b>2</b>
	Contact Arrangement	<b>2 Form C (CO)</b>

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Contact Material	<b>PdRu</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>

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Mechanical Attachment	Mounting Type	<b>Printed Circuit Board</b>
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Dimensions	Length Class (Mechanical)	<b>0 – 10 mm</b>
	Width Class (Mechanical)	<b>0 – 6 mm</b>
	Length (in)	<b>10</b>
	Width	<b>6 mm [ .236 in ]</b>
	Height Class (Mechanical)	<b>0 – 6 mm</b>
	Dimensions (L x W x H) (Approximate)	<b>10 x 6 x 5.65 mm [ .393 x .236 x .222 in ]</b>
	Height	<b>5.6 mm [ .221 in ]</b>

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

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

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