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RELAYS, CONTACTORS & SWITCHES

## SIGNAL RELAYS



TE CONNECTIVITY (TE)

### HF3 54=50 OHM 140MW 6V MONO

Axicom | HF3

1-1462051-7

TE Internal Number: 1-1462051-7

Always EU RoHS/ELV Compliant

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

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

Isolation (HF Parameter) **-80dB @ 100MHz, -72dB @ 900MHz, -45dB @ 3GHz**

Insertion Loss (HF Parameter) **-.35dB @ 3GHz, -.12dB @ 900MHz, -.03dB @ 100MHz**

Insulation Initial Resistance (MΩ) **1000000**

✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

### Product Drawings

[HF3-50-Relay](#)

PDF  
English

[HF3 50 Ohm Marking](#)

PDF  
English

### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
English

### Product Specifications

Product Specification

[HF3 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	HF3 Relay
Electrical Characteristics	Contact Voltage Rating	<b>250 VAC [ 220 VDC ]</b>
	Coil Power Rating (DC) (mW)	<b>140</b>
	Insulation Initial Resistance (MΩ)	<b>1000000</b>
	Coil Voltage Rating (VAC)	<b>6</b>
	Contact Switching Voltage (Max)	<b>250 VAC [ 220 VDC ]</b>
	Coil Magnetic System	<b>Monostable, DC</b>
	Insulation Initial Dielectric Between Coil/Contact Class	<b>500 – 1000 V</b>
	Insulation Initial Dielectric Between Contacts and Coil (Vrms)	<b>1000</b>
	Contact Limiting Making Current (A)	<b>2</b>
	Insulation Initial Dielectric Between Open Contacts (Vrms)	<b>600</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 (Ω)	<b>257</b>
	Contact Limiting Breaking Current (A)	<b>2</b>
	Coil Power Rating Class	<b>50 – 300mW</b>
	Coil Type	<b>Monostable</b>
Voltage Standing Wave Ration (HF Parameter)	<b>1.07 @ 100MHz, 1.45 @ 900MHz</b>	
Signal Characteristics	Isolation (HF Parameter)	<b>-80dB @ 100MHz, -72dB @ 900MHz, -45dB @ 3GHz</b>
	Insertion Loss (HF Parameter)	<b>-.35dB @ 3GHz, -.12dB @ 900MHz, -.03dB @ 100MHz</b>
Body Features	Insulation Special Features	<b>1500V Initial Surge Withstand Voltage between Contacts &amp; Coil</b>
	Weight (oz)	<b>2.5</b>
Contact Features	Terminal Type	<b>PCB-SMT</b>

Contact Current Rating (A)	<b>2</b>
Contact Arrangement	<b>1 Form C (CO)</b>
Contact Material	<b>Ag</b>
Contact Number of Poles	<b>1</b>
Contact Current Class	<b>0 – 2 A</b>
Contact Plating Material	<b>Gold</b>

Mechanical Attachment	Mounting Type	<b>Printed Circuit Board</b>
Dimensions	Length Class (Mechanical)	<b>14 – 16 mm</b>
	Width Class (Mechanical)	<b>6 – 8 mm</b>
	Length (in)	<b>14.6</b>
	Width	<b>7.2 mm [ .283 in ]</b>
	Height Class (Mechanical)	<b>9 – 10 mm</b>
	Dimensions (L x W x H) (Approximate)	<b>14.6 x 7.2 x 9.1 mm [ .574 x .283 x .358 in ]</b>
	Height	<b>10 mm [ .394 in ]</b>
Usage Conditions	Environmental Category of Protection	<b>RTIII</b>
	Environmental Ambient Temperature (Max)	<b>85 °C [ 85 °F ]</b>
	Environmental Ambient Temperature Class	<b>70 – 85°C</b>
Operation/Application	Performance Type	<b>Standard</b>
Packaging Features	Packaging Method	<b>Box/Carton, Reel</b>
Other	Additional Features	<b>Gull Wing</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	