



SIGNAL RELAYS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

HF3 02=75 OHM 140MW 4.5V mono

[Axicom](#) | [HF3](#)

1-1462050-6

TE Internal Number: 1-1462050-6

[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, -40dB @ 3GHz**

Insertion Loss (HF Parameter) **-.4dB @ 3GHz, -.12dB @ 900MHz, -.03dB @ 100MHz**

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

Product Drawings

[HF3-75-Relay](#)

PDF
English

[HF3-Relay 75 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

Product Environmental Compliance

TE Material Declaration

[MD_1-1462050-6_082120131142_dmtec](#)

PDF
English

Drawing for all design activity.

Product Type Features	Product Type	Relay
	Relay Type	HF3 Relay
Electrical Characteristics	Contact Voltage Rating	250 VAC [220 VDC]
	Coil Power Rating (DC) (mW)	140
	Insulation Initial Resistance (M Ω)	1000000
	Coil Voltage Rating (VAC)	5
	Contact Switching Voltage (Max)	250 VAC [220 VDC]
	Coil Magnetic System	Monostable, DC
	Insulation Initial Dielectric Between Coil/Contact Class	500 – 1000 V
	Insulation Initial Dielectric Between Contacts and Coil (Vrms)	1000
	Contact Limiting Making Current (A)	2
	Insulation Initial Dielectric Between Open Contacts (Vrms)	600
	Actuating System	DC
	Contact Limiting Short-Time Current (A)	2
	Contact Limiting Continuous Current (A)	2
	Coil Resistance (Ω)	145
	Contact Limiting Breaking Current (A)	2
	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)	-80dB @ 100MHz, -72dB @ 900MHz, -40dB @ 3GHz
	Insertion Loss (HF Parameter)	-.4dB @ 3GHz, -.12dB @ 900MHz, -.03dB @ 100MHz
Body Features	Insulation Special Features	1500V Initial Surge Withstand Voltage between Contacts & Coil
	Weight (oz)	2.5
Contact Features	Terminal Type	PCB-SMT
	Contact Current Rating (A)	2
	Contact Arrangement	1 Form C (CO)
	Contact Material	Ag
	Contact Number of Poles	1

Contact Current Class **0 – 2 A**

Contact Plating Material **Gold**

Mechanical Attachment Mounting Type **Printed Circuit Board**

Dimensions

Length Class (Mechanical) **14 – 16 mm**

Width Class (Mechanical) **6 – 8 mm**

Length (in) **14.6**

Width **7.2 mm [.283 in]**

Height Class (Mechanical) **9 – 10 mm**

Dimensions (L x W x H) (Approximate) **14.6 x 7.2 x 9.1 mm [.574 x .283 x .358 in]**

Height **10 mm [.394 in]**

Usage Conditions

Environmental Category of Protection **RTIII**

Environmental Ambient Temperature (Max) **85 °C [85 °F]**

Environmental Ambient Temperature Class **70 – 85°C**

Operation/Application Performance Type **Standard**

Packaging Features Packaging Method **Box/Carton, Reel**

Other Additional Features **Gull Wing**

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)