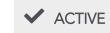
# V23105A5307A201 ✓ ACTIVE



Axicom | Axicom D2n Relay

TE Internal #: 1393793-3

Axicom D2n Relay, Signal Relays, 220VDC Contact Voltage Rating, 250VAC Contact Voltage Rating, 200mW Coil Power Rating (DC)

View on TE.com >



Relays, Contactors & Switches > Relays > Signal Relays > AXICOM D2N SENSITIVE



Contact Voltage Rating: 250 VAC Coil Power Rating (DC): 200 mW

Isolation (HF Parameter): -20.7dB @ 900MHz, -39dB @ 100MHz Insertion Loss (HF Parameter): -.02dB @ 100MHz, -.27dB @ 900MHz

### All AXICOM D2N SENSITIVE (7)

### **Features**

## **Product Type Features**

Relay Type	D2n Relay V23105
Relay Style	D2n Relay
Product Type	Relay
Electrical Characteristics	
Coil Power Rating Class	150 – 200 mW
Actuating System	AC/DC
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Short-Time Current	3 A
Insulation Initial Dielectric Between Contacts and Coil	1050 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	1000 V – 1500 VA
Voltage Standing Wave Ration (HF Parameter)	1.04 @ 100MHz, 1.4 @ 900MHz
Insulation Initial Dielectric Between Adjacent Contacts	750 Vrms
Power Consumption	200 mW
Insulation Initial Resistance	1000 ΜΩ
Contact Limiting Making Current	3 A
Coil Resistance	11520 Ω
Contact Limiting Continuous Current	3 A
Coil Type	Monostable



Isolation (HF Parameter)  -20.7dB @ 900MHz, -39dB @ 100MHz 02dB @ 100MHz,27dB @ 900MHz  Body Features  Insulation Special Features  1500V Initial Surge Withstand Voltage between Contacts & Coil  Weight  6 g[.2116 oz]  Contact Features  Contact Plating Material  Contact Current Class  2 – 5 A  Terminal Type  PCB-THT  Contact Current Rating  3 A  Contact Arrangement  2 Form C (CO)  Contact Number of Poles		
Contact Voltage Rating         250 VAC           Coil Power Rating (DC)         200 mW           Coil Voltage Rating         48 VDC           Contact Switching Voltage (Max)         220 VDC           Coil Magnetic System         Monostable, DC           Signal Characteristics         Signal Characteristics           Isolation (HIT Parameter)         -20.7dB @ 900MHz, -39dB @ 100MHz           Insulation Loss (HT Parameter)         -02dB @ 100MHz, -27dB @ 900MHz           Body Features         1500V Initial Surge Withstand Voltage between Contacts & Coil           Weight         6 gl 2116 ozl           Contact Pating Material         Gold           Contact Pating Material         Gold           Contact Qurrent Rating         3 A           Contact Qurrent Rating         3 A           Contact Number of Poles         2 Form C (CO)           Contact Number of Poles         2 Termination Features           Termination Type         Through Hole           Mechanical Attachment         Mounting Type           Printed Circuit Board         Dimensions           Wright Class (Mechanical)         8 – 10 mm           Wight         10 mm (-394 in)           Height         11 mm (-433 in)           Length         20.2 mm (-795 in)     <	Contact Limiting Breaking Current	3 A
Coil Power Rating (DC)         200 mW           Coil Voltage Rating         48 VDC           Contact Switching Voltage (Max)         270 VDC           Coil Magnetic System         Monostable, DC           Signal Characteristics         Isolation (HE Parameter)         -20.7dB ® 900MHz, -39dB ® 100MHz           Insertion Loss (HF Parameter)         -02dB ® 100MHz, -27dB ® 900MHz           Body Features         1500V Initial Surge Withstand Voltage between Contacts & Coil           Weight         6 gi,2116 oz]           Contact Features         2           Contact Plating Material         Gold           Contact Current Class         2 - 5 A           Terminal Type         PCB-TLIT           Contact Arangement         2 Form C (CO)           Contact Number of Poles         2           Termination Type         Through Hole           Mechanical Attachment         Mounting Type         Printed Circuit Board           Dimensions         Width Class (Mechanical)         8 – 10 mm           Width Class (Mechanical)         20 – 25 mm           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm1.795 in]	Contact Switching Load (Min)	10mA @ .2V
Coil Voltage Rating         48 VDC           Corntact Switching Voltage (Max)         220 VDC           Coil Magnetic System         Monostable, DC           Signal Characteristics         Isolation (HF Parameter)           Insertion Loss (HF Parameter)         -20.7dB @ 900MHz, .39dB @ 100MHz           Body Features         1500V Initial Surge Withstand Voltage between Contacts & Coil           Weight         6 g[.2116 ez]           Contact Features         2 - 5 A           Contact Plating Material         Gold           Contact Current Class         2 - 5 A           Terminal Type         PCB-THT           Contact Current Rating         3 A           Contact Number of Poles         2           Termination Type         Through Hole           Mechanical Attachment         Printed Circuit Board           Mounting Type         Printed Circuit Board           Dimensions         Width Class (Mechanical)         8 - 10 mm           Width Class (Mechanical)         20 - 25 mm           Length         20.2 mm[.795 in]	Contact Voltage Rating	250 VAC
Contact Switching Voltage (Max)  Coil Magnetic System  Morrostable, DC  Signal Characteristics  Isolation (HF Parameter)  Insertion Loss (HF Parameter)  Insertion Loss (HF Parameter)  Insulation Special Features  Insulation Loss (CO)  Insulation Special Features  Insulation Loss (CO)  Insulation Special Features  Insulation Loss (Medianical)  Insulation Loss (Medianical)	Coil Power Rating (DC)	200 mW
Signal Cheracteristics	Coil Voltage Rating	48 VDC
Signal Characteristics         -20.7dB @ 900MHz, -39dB @ 100MHz           Insertion Loss (HF Parameter)        02dB @ 100MHz,27dB @ 900MHz           Body Features         1500V Initial Surge Withstand Voltage between Contacts & Goil           Weight         6 g[.2116 oz]           Contact Platting Material         Gold           Contact Current Class         2 - 5 A           Terminal Type         PCB.THT           Contact Current Rating         3 A           Contact Number of Poles         2           Termination Features         1 brough Hole           I ermination Type         Printed Circuit Board           Mechanical Attachment         Mounting Type           Dimensions         8 10 mm           Width Class (Mechanical)         8 10 mm           Width Class (Mechanical)         11 mm[.433 in]           Length         20.2 mm[.795 in]	Contact Switching Voltage (Max)	220 VDC
Insertion I oss (HF Parameter) Insertion I oss (HF Parameter) Insertion I oss (HF Parameter)  Body Features  Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Features Insulation Material Insulation Materi	Coil Magnetic System	Monostable, DC
Insertion Loss (HF Parameter)  Body Features  Insulation Special Features  Insulation Ins	Signal Characteristics	
Insulation Special Features  Insulation Special Features  1500V Initial Surge Withstand Voltage between Contacts & Coil  Weight  6 gl.2116 oz]  Contact Features  Contact Plating Material  Contact Current Class  2 – 5 A  Terminal Type  PCB-THT  Contact Current Rating  3 A  Contact Arrangement  2 Form C (CO)  Contact Number of Poles  2  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  Width  10 mm[.394 in]  Height  Length  Length  20.2 mm[.795 in]	Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz
Insulation Special Features  1500V Initial Surge Withstand Voltage between Contacts & Coil  Weight 6 g[.2116 oz]  Contact Features  Contact Plating Material Gold  Contact Current Class 2 – 5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20.2 mm[.795 in]	Insertion Loss (HF Parameter)	02dB @ 100MHz,27dB @ 900MHz
Weight         6 g[.2116 oz]           Contact Features         Gold           Contact Plating Material         Gold           Contact Current Class         2 – 5 A           Terminal Type         PCB-THT           Contact Current Rating         3 A           Contact Arrangement         2 Form C (CO)           Contact Number of Poles         2           Termination Features         Through Hole           Mechanical Attachment         Printed Circuit Board           Dimensions         8 – 10 mm           Width Class (Mechanical)         8 – 10 mm           Width         10 mm(.394 in)           Height         11 mm(.433 in)           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm(.795 in)	Body Features	
Contact Plating Material Gold  Contact Current Class 2 – 5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20 – 25 mm	Insulation Special Features	
Contact Current Class 2 - 5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 - 10 mm  Width 10 mm[.394 in]  Length Class (Mechanical) 20 - 25 mm  Length Class (Mechanical) 20 - 25 mm	Weight	6 g[.2116 oz]
Contact Current Class         2 – 5 A           Terminal Type         PCB-THT           Contact Current Rating         3 A           Contact Arrangement         2 Form C (CO)           Contact Number of Poles         2           Termination Features         Through Hole           Mechanical Attachment         Wounting Type           Dimensions         Printed Circuit Board           Width Class (Mechanical)         8 – 10 mm           Width         10 mm[.394 in]           Height         11 mm[.433 in]           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm[.795 in]	Contact Features	
Terminal Type Contact Current Rating 3 A Contact Arrangement 2 Form C (CO) Contact Number of Poles 2 Termination Features Termination Type Through Hole Mechanical Attachment Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical) 8 – 10 mm Width 10 mm[.394 in] Height Length Class (Mechanical) 20 – 25 mm Length Length Length	Contact Plating Material	Gold
Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20 – 25 mm	Contact Current Class	2 – 5 A
Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20.2 mm[.795 in]	Terminal Type	PCB-THT
Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) Width 10 mm[.394 in] Height Length Class (Mechanical) 2 2 2 2 2 3 4 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Contact Current Rating	3 A
Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) Width 10 mm[.394 in] Height 11 mm[.433 in] Length Class (Mechanical) 20 – 25 mm Length Length 20.2 mm[.795 in]	Contact Arrangement	2 Form C (CO)
Termination Type  Mechanical Attachment  Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  Width  10 mm[.394 in]  Height  11 mm[.433 in]  Length Class (Mechanical)  20 – 25 mm  Length  Length	Contact Number of Poles	2
Mechanical Attachment           Mounting Type         Printed Circuit Board           Dimensions           Width Class (Mechanical)         8 – 10 mm           Width         10 mm[.394 in]           Height         11 mm[.433 in]           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm[.795 in]	Termination Features	
Mounting Type         Printed Circuit Board           Dimensions           Width Class (Mechanical)         8 – 10 mm           Width         10 mm[.394 in]           Height         11 mm[.433 in]           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm[.795 in]	Termination Type	Through Hole
Dimensions         Width Class (Mechanical)       8 – 10 mm         Width       10 mm[.394 in]         Height       11 mm[.433 in]         Length Class (Mechanical)       20 – 25 mm         Length       20.2 mm[.795 in]	Mechanical Attachment	
Width Class (Mechanical)       8 – 10 mm         Width       10 mm[.394 in]         Height       11 mm[.433 in]         Length Class (Mechanical)       20 – 25 mm         Length       20.2 mm[.795 in]	Mounting Type	Printed Circuit Board
Width       10 mm[.394 in]         Height       11 mm[.433 in]         Length Class (Mechanical)       20 – 25 mm         Length       20.2 mm[.795 in]	Dimensions	
Height       11 mm[.433 in]         Length Class (Mechanical)       20 – 25 mm         Length       20.2 mm[.795 in]	Width Class (Mechanical)	8 – 10 mm
Length Class (Mechanical)  Length  20 – 25 mm  20.2 mm[.795 in]	Width	10 mm[.394 in]
Length 20.2 mm[.795 in]	Height	11 mm[.433 in]
	Length Class (Mechanical)	20 – 25 mm
Height Class (Mechanical) 10 – 11 mm	Length	20.2 mm[.795 in]
	Height Class (Mechanical)	10 – 11 mm



### **Usage Conditions**

Environmental Ambient Temperature (Max)	85 °C[85 °F]
Environmental Ambient Temperature Class	70 – 85°C
Environmental Category of Protection	RTIII
Operating Temperature Range	-40 - 85 °C, -40 - 85 °C
Operation/Application	
Performance Type	Standard
Packaging Features	
Packaging Method	Box & Tube, Tube

## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2018 (181) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2018 (181)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling



based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Also in the Series | Axicom D2n Relay



## Customers Also Bought















## **Documents**

Product Drawings V23105A5307A201

English

**CAD Files** 

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1393793-3\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1393793-3\_C.3d\_igs.zip



English

**Customer View Model** 

ENG\_CVM\_CVM\_1393793-3\_C.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

Transportation, Storage, Handling, Assembly and Testing of AXICOM THT Relays

English

Industrial Relays Quick Reference Guide

English

## **Product Specifications**

**Product Specification** 

English

**Definitions Relays** 

English

**Product Environmental Compliance** 

**TE Material Declaration** 

English