95D Series

High Insulation Resistance

PRODUCT DESCRIPTIONS

With electrostatic and magnetic shields, the 95D series feature an easy-to use mount packaging as well as precise, and accurate control of minute signals.

- High Insulation Resistance up to 10^{14}
- Available 1 Form A, 2 Form A and 3 Form A
- Contact Rating Available in 10, 50 and 100 Watt Versions
- Lead Configutation in Lead and PCB

SPECIFICATIONS

RoHS COMPLIANT

95D Form A Series		95D-1A□4N4			95D-2A□4N4			95D-3A□4N4			
Parameters	Units	1 Form A			2 Form A			3 Form A			Test Conditions
Coil Specifications											
Nominal Coil Voltage	VDC	5.0	12.0	24.0	5.0	12.0	24.0	5.0	12.0	24.0	
Coil Resistance	Ω	450	2500	8000	260	1500	6000	180	1000	4000	±10% @ 20°C
Operate Voltage	VDC Max	3.75	8.8	17.6	3.75	8.8	17.6	3.75	8.8	17.6	@ 20°C
Release Voltage	VDC Min	0.7	1.2	2.4	0.7	1.2	2.4	0.7	1.2	2.4	@ 20°C
Contact Ratings											
Switching Voltage	Volts	350									Max DC/Peak AC resistance
Switching Current	Amps	0.5									Max DC/Peak AC resistance
Carry Current	Amps	2.8									Max DC/Peak AC resistance (@ 30°C)
Contact Rating	Watts	50									Max DC/Peak AC resistance @ 1V 10mA
Life Expectancy	x10^6 Cycle	1000									Max initial @ operate voltage
Contact Resistance	mΩ	150									Max initial @ operate voltage
Contact Resistance Stability	mΩ	5.0									
Relay Specifications											
Insulation Resistance	Ω Min	10^{14}									Between open contacts
	Ω Min	10^{13}									Contacts to shield
	Ω Min	10^{13}									Contacts to coil
	Ω Min	10^{11}									Shield to coil @ 100V 20°C 65%RH
Dielectric Strength (Static)	VDC Min	500									Between contacts
	VDC Min	1000									Contacts to shield
	VDC Min	1000									Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	1.0									@ nominal coil voltage 100 Hz square wave
Release Time	msec Max	1.0									Diode suppression

Measurement Reference Conditions	Environmental Ratings
Temp: 15°C to 35°C Humidity: 25% to 75%RH Atmospheric Pressure: 860 to 1060hpa	Storage temp: -40°C to +85°C Operate temp: -20°C to +80°C Vibration: 20G's to 2000Hz Shock: 50G's

Ordering Code:

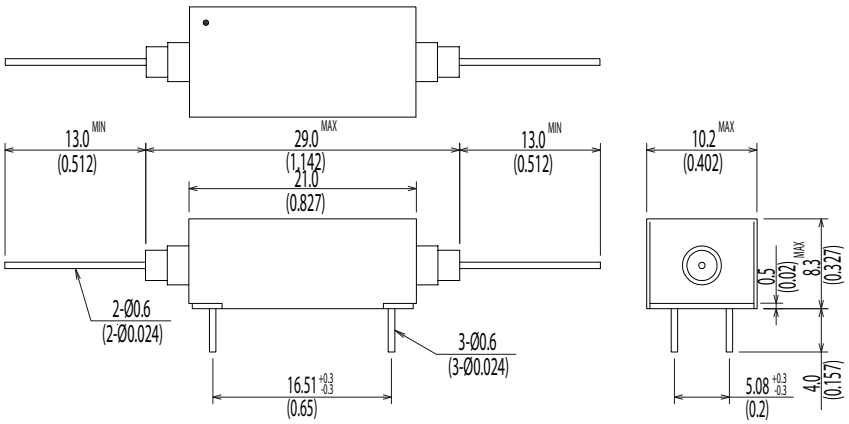
95D-1A□4N4, 95D-2A□4N4, 95D-3A□4N4

□=1 (5.0VDC), 2(12.0VDC), 3(24.0VDC)

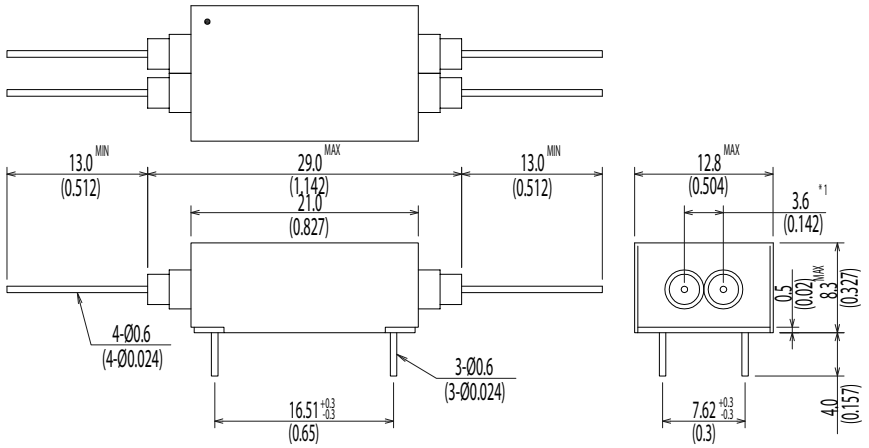
Dimensions

All Dimensions are mm (inch)

95D-1A□4N4

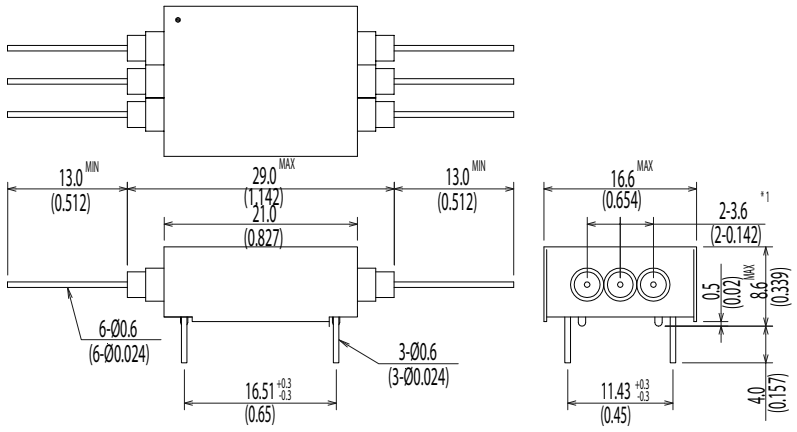


95D-2A□4N4



*1 Reference Value

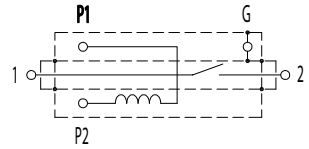
95D-3A□4N4



*1 Reference Value

Schematic <Top View>

95D-1A□4N4



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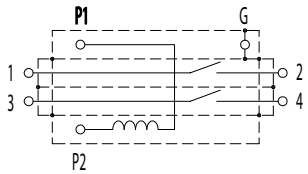
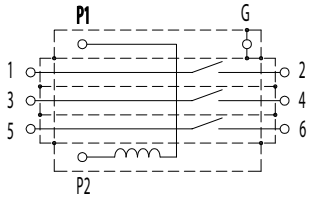
95D-3A□4N4