

# 102R 1 Form A

SIP

## PRODUCT DESCRIPTIONS



The 102R series comes in a small Micro SIP package with magnetic shield and internal coil suppression diode as standard features. These features allow high-density mounting and suitable for wider range of application, such as automatic test equipment, instrumentation, burn-in test, and telecommunication applications.

- 200V Switching Voltage
- 1.6A Carry Current
- Long Life Expectancy (1500 Million Operations)

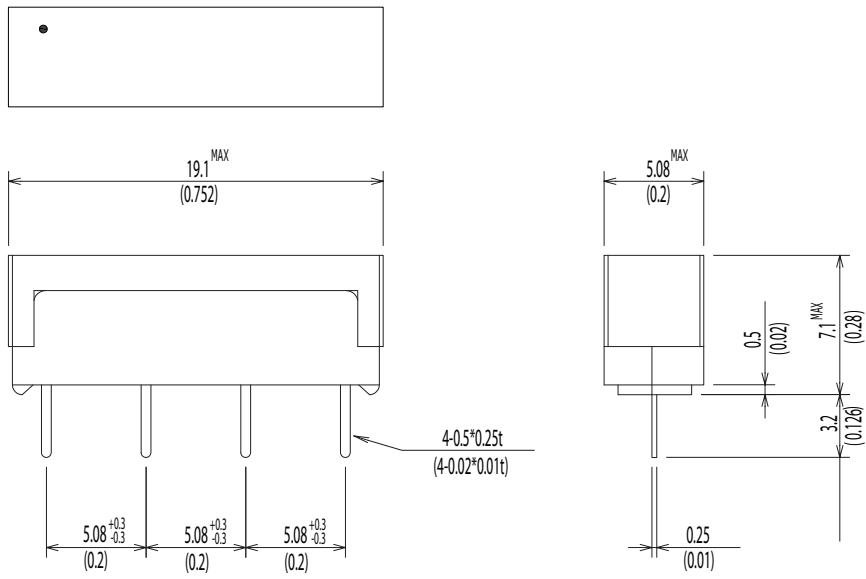
## SPECIFICATIONS



<b>102R 1 Form A</b>		<b>102R-1A20D2-40</b>	
Parameters	Units	1 Form A	Test Conditions
<b>Coil Specifications</b>			
Nominal Coil Voltage	VDC	12.0	
Coil Resistance	$\Omega$	1000	$\pm 10\%$ @ 20°C
Operate Voltage	VDC Max	8.8	@ 20°C
Release Voltage	VDC Min	1.2	@ 20°C
<b>Contact Ratings</b>			
Switching Voltage	Volts	200	Max DC/Peak AC resistance
Switching Current	Amps	0.5	Max DC/Peak AC resistance
Carry Current	Amps	1.6	Max DC/Peak AC resistance (@ 30°C)
Contact Rating	Watts	10	Max DC/Peak AC resistance
Life Expectancy	$\times 10^6$ Cycle	1500	@ 1V 10mA
Contact Resistance	m $\Omega$	150	Max initial @ operate voltage
Contact Resistance Stability	m $\Omega$	5.0	Max initial @ operate voltage
<b>Relay Specifications</b>			
Insulation Resistance	$\Omega$ Min	$10^{12}$	Between Contacts
	$\Omega$ Min	$10^{12}$	Contacts to coil
Dielectric Strength (Static)	VDC Min	300	Between contacts
	VDC Min	1500	Contacts to coil
Operate Time (Including Bounce)	msec Max	0.35	@ nominal coil voltage
Release Time	msec Max	0.25	30 Hz square wave
<b>Measurement Reference Conditions</b>		<b>Environmental Ratings</b>	
Temp: 15°C to 35°C Humidity: 25% to 75%RH Atmospheric Pressure: 860 to 1060hpa		Storage temp: -35°C to +100°C Operate temp: -20°C to +85°C Vibration: 20G's to 2000Hz Shock: 50G's	

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**Dimensions** All Dimensions are mm (inch)



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**Schematic <Top View>**

