

# 102E Series

SIP



## PRODUCT DESCRIPTIONS

This 102E Series comes in a small Micro SIP package and with a standard magnetic shield. These features allow high-density mounting without influence of magnetic flux. A double shield type is also available as an option for applications requiring high frequency such as IC test and Burn-in test systems.

## SPECIFICATIONS



<b>102E Series</b>		<b>102E-1A□0□2</b>		
Parameters	Units	1 Form A		Test Conditions
<b>Coil Specifications</b>				
Nominal Coil Voltage	VDC	5.0	12.0	±10% @ 20°C @20°C @20°C
Coil Resistance	Ω	500	1000	
Operate Voltage	VDC Max	3.75	8.8	
Release Voltage	VDC Min	0.7	1.2	
<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	1.3		Max DC/Peak AC resistance (@30°C)
Contact Rating	Watts	30		Max DC/Peak AC resistance
Life Expectancy	x10 <sup>6</sup> Cycle	1500		@ 1V 10mA
Contact Resistance	mΩ	150		Max initial @ operate voltage
Contact Resistance Stability	mΩ	5.0		Max initial @ operate voltage
<b>Relay Specifications</b>				
Insulation Resistance	Ω Min	10 <sup>12</sup>		Between all isolated pins @ 100V 20°C 65%RH
Dielectric Strength	VDC Min	300		Between contacts Contacts to coil
	VDC Min	1500		
Operate Time (Including Bounce)	msec Max	0.3		@ nominal coil voltage 100 Hz square wave
Release Time	msec Max	0.2		Diode suppression
<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: -40°C to +85°C Operate temp: -20°C to +80°C Vibration: 20G's to 2000Hz Shock: 50G's	

### Ordering Code:

**102E-1A□1)0□2)2**

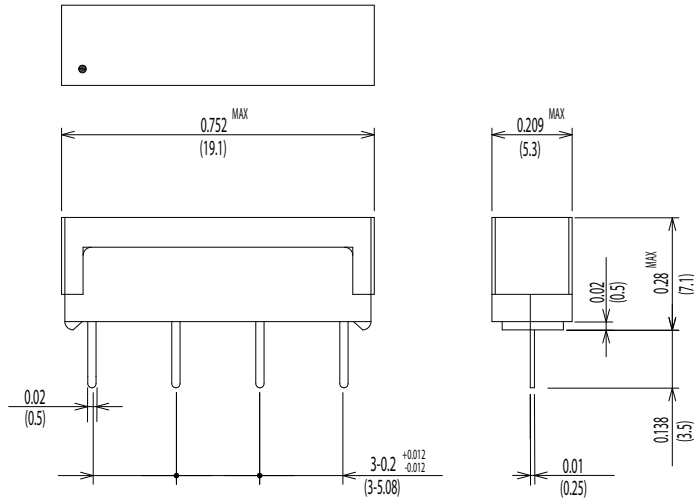
□1)=1 (5.0VDC), 2 (12.0VDC)

□2)=D (Diode), N (No diode)

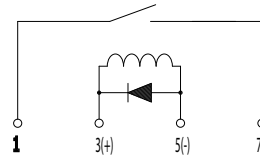
**Dimensions** All Dimensions are inches (mm)

**Schematic <Top View>**

**102E-1A□0D2/102E-1A□0N2**



**102E-1A□0D2**



**102E-1A□0N2**

