101E Series

SIP

PRODUCT DESCRIPTIONS

This 101E 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

RoHS COMPLIANT

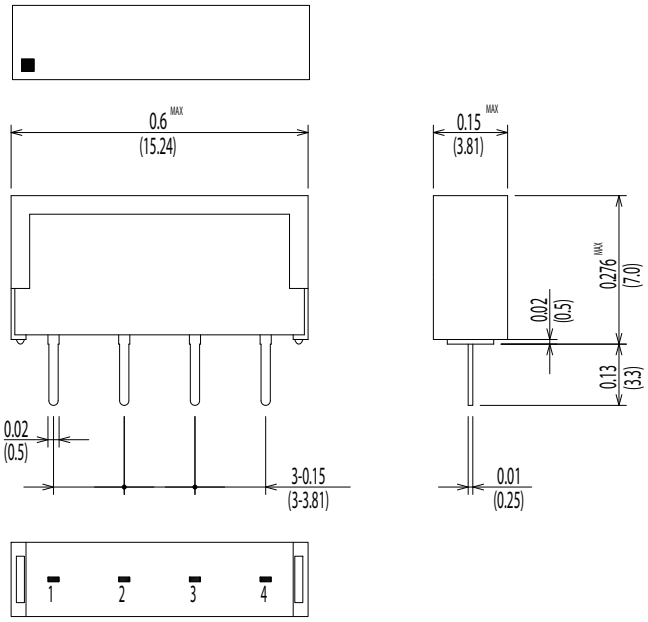
101E Series		101E-1A□0D2		101E-1A□0N2		SIP
Parameters	Units	1 Form A				Test Conditions
Coil Specifications						
Nominal Coil Voltage	VDC	5.0	12.0	5.0	12.0	
Coil Resistance	Ω	500	800	500	800	±10% @ 20˚C
Operate Voltage	VDC Max	3.4	8.0	3.75	8.4	15˚C to 35˚C
Release Voltage	VDC Min	0.7	1.2	0.7	1.2	15˚C to 35˚C
Contact Ratings						
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
Contact Rating	Watts	30				Max DC/Peak AC resistance
Life Expectancy	x10^6 Cycle	1500				@ 1V 10mA
Contact Resistance	mΩ	100				Max initial @ operate voltage
Contact Resistance Stability	mΩ	5.0				Max initial @ operate voltage
Relay Specifications						
Insulation Resistance	Ω Min	10^{12}		10^{12}		Between all isolated pins @ 100V 20˚C 40%RH
Dielectric Strength	VDC Min	250		200		Between contacts
	VDC Min	1500		1500		Contacts to coil
Operate Time (Including Bounce)	msec Max	0.3		0.3		@ nominal coil voltage 100Hz square wave
Release Time	msec Max	0.15		0.15		Diode suppression
Environmental Ratings						
Measurement Reference Conditions 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:

101E-1A□0D2
□=1 (5.0VDC), 2 (12.0VDC)
101E-1A□0N2
□=1 (5.0VDC), 2 (12.0VDC)

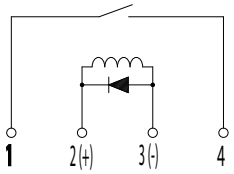
Dimensions All Dimensions are inches (mm)

101E-1A□0D2/101E-1A□0N2



Schematic <Top View>

101E-1A□0D2



101E-1A□0N2