

New

104E-2A Series

SIP

PRODUCT DESCRIPTIONS



The 104E-2A 2 Form A series is an extended version of 104E with higher density capability. Without changing packaging size and features, 104E-2A achieves higher switch counts in the same mounting area. Customer can simply achieve doubled density using the 1 Form A series. Magnetic shield is a standard feature in both the standard and built-in Diode versions of this product for demanding high-density requirement. This miniature SIP series is suitable for ATE, measurement equipment, and telecommunication applications which require high density and higher reliability standards.

- 10W contact rate / 100VDC Switching
- 11.4mm x 3.81mm mounting area
- Standard Magnetic Shield
- Built-in Diode Option

SPECIFICATIONS



104E-2A Series		104E-2A□0D2		104E-2A□0N2		SIP	
parameters	Units	2 Form A				Test Conditions	
Coil Specifications							
Nominal Coil Voltage	VDC	5.0	12.0	5.0	12.0	±10%@20°C @20°C @20°C	
Coil Resistance	Ω	100	600	100	600		
Operate Voltage	VDC Max	3.75	8.8	3.75	8.8		
Release Voltage	VDC Min	0.7	1.2	0.7	1.2		
Contact Ratings							
Switching Voltage	Volts	100				MAX DC/Peak AC resistance MAX DC/Peak AC resistance MAX DC/Peak AC resistance (@30°C) MAX DC/Peak AC resistance @1V 10mA MAX initial@operate voltage MAX initial@operate voltage	
Switching Current	Amps	0.5					
Carry Current	Amps	1.0					
Contact Rating	Watts	10					
Life Expectancy	x10 ⁶ Cycle	300					
Contact Resistance	mΩ	200					
Contact Resistance Stability	mΩ	5.0					
Relay Specifications							
Insulation Resistance	Ω-Min	10 ¹²					Between All isolated Pins @100V20°C40%RH Between contacts Contacts to Coil @nominal coil voltage 100Hz square wave Diode suppression
Dielectric Strength	VDC Min	250					
	VDC Min	1500					
Operate Time (Including Bounce)	msec-Max	0.35					
Release Time	msec-Max	0.25					
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:

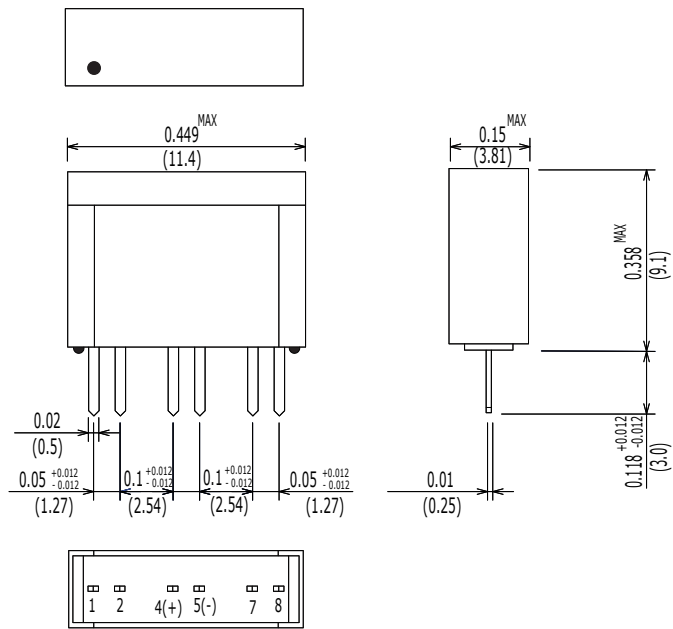
104E-2A□0D2 (Diode)
□=1 (5.0VDC), 2 (12.0VDC)

104E-2A□0N2
□=1 (5.0VDC), 2 (12.0VDC)

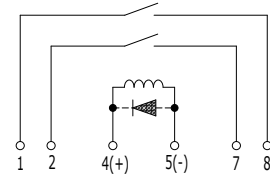
Dimensions All Dimensions are inches (mm)

Schematic <Top View>

104E-2A□0D2/104E-2A□0N2



104E-2A□0D2



104E-2A□0N2

