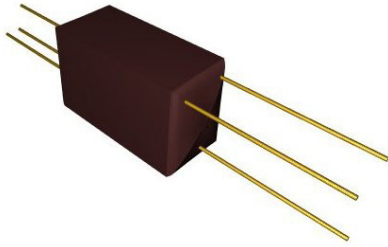


# 92D 1 Form C Series

EMF



## PRODUCT DESCRIPTIONS

The 92D series offers 1 Form C version with flexible board connection feature. This package allows flexible mounting position. Due to measure microvolt level signals, this relay is ideal to reduce error caused by EMF, which is designed to offset any additional voltage. Featured electrostatic shield improves signal noise ratio.

- Low Thermal EMF: <math><10\mu V</math>
- Low Power Coils
- Electrostatic Shield as Standard Feature

## SPECIFICATIONS



92D 1C Series		92D-1C□1N0			
Parameters	Units	1 Form C			Test Conditions
<b>Coil Specifications</b>					
Nominal Coil Voltage	VDC	5.0	12.0	24.0	
Coil Resistance	$\Omega$	300	1600	4500	$\pm 10\%$ @ 20°C
Operate Voltage	VDC Max	3.75	8.8	17.6	@ 20°C
Release Voltage	VDC Min	0.7	1.2	2.4	@ 20°C
<b>Contact Ratings</b>					
Switching Voltage	Volts	100			Max DC/Peak AC resistance
Switching Current	Amps	0.25			Max DC/Peak AC resistance
Carry Current	Amps	0.5			Max DC/Peak AC resistance(@ 30°C)
Contact Rating	Watts	3			Max DC/Peak AC resistance
Life Expectancy	$\times 10^6$ Cycle	50			@ 1V 10mA
Contact Resistance	$m\Omega$	200			Max initial @ operate voltage
Contact Resistance Stability	$m\Omega$	5.0			Max initial @ operate voltage
<b>Relay Specifications</b>					
Insulation Resistance	$\Omega$ Min	$10^{10}$			Between all isolated pins @ 100V 20°C 65%RH
Thermal EMF	$\mu V$ Max	10.0			@ nominal coil voltage
Dielectric Strength (Static)	VDC Min	200			Between contacts
	VDC Min	500			Contacts to shield
	VDC Min	500			Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	2.0			@ nominal coil voltage
Release Time	msec Max	2.5			100 Hz square wave 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:

**92D-1C□1N0**

□=1 (5.0VDC), 2(12.0VDC), 3(24.0VDC)

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

**Schematic <Top View>**

**92D-1C□1N0**

