

# 60W Form C Series

PCB Mount

## PRODUCT DESCRIPTIONS



The 60W Series comes in 1 Form C and 2 Form C configurations with a mercury switch. For Form C, this series exhibits a characteristic of maintaining highly stable operation under high-load areas.

With proven tracks of high reliability and quality, this series has been predominantly used for control panels in nuclear plants, controlling and emergency breaking systems for trains, and output test systems for aircraft jet engines.

## SPECIFICATIONS

<b>60W Form C</b>		<b>60W-1C□0N0</b>		<b>60W-2C□0N0</b>		
Parameters	Units	1 Form C		2 Form C		Test Conditions
<b>Coil Specifications</b>						
Nominal Coil Voltage	VDC	5.0	12.0	5.0	12.0	
Coil Resistance	Ω	130	400	55	370	±10% @ 20°C
Operate Voltage	VDC Max	3.75	8.8	3.75	8.8	@20°C
Release Voltage	VDC Min	0.7	1.2	0.7	1.2	@20°C
<b>Contact Ratings</b>						
Switching Voltage	Volts	500				Max DC/Peak AC resistance
Switching Current	Amps	2.0				Max DC/Peak AC resistance
Carry Current	Amps	8.5				Max DC/Peak AC resistance(@30°C)
Contact Rating	Watts	100				Max DC/Peak AC resistance
Life Expectancy	x10 <sup>6</sup> Cycle	10000				@ 1V 10mA
Contact Resistance	mΩ	30				Max initial @ operate voltage
Contact Resistance Stability	mΩ	2.0				Max initial @ operate voltage
<b>Relay Specifications</b>						
Insulation Resistance	Ω Min	10 <sup>9</sup>				Between contacts
	Ω Min	10 <sup>9</sup>				Contacts to coil
Dielectric Strength (Static)	VDC Min	1000				@ 100V 20°C 65%RH
	VDC Min	1000				Between contacts
Operate Time (No Bounce)	msec Max	2.0				Contacts to coil
Release Time	msec Max	2.0				@ nominal coil voltage
						50Hz 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: -20°C to +80°C Operate temp: -10°C to +60°C Vibration: 20G's to 2000Hz Shock: 50G's		

### Ordering Code:

#### 60W-1C□0N0

□=1 (5.0VDC), 2 (12.0VDC)

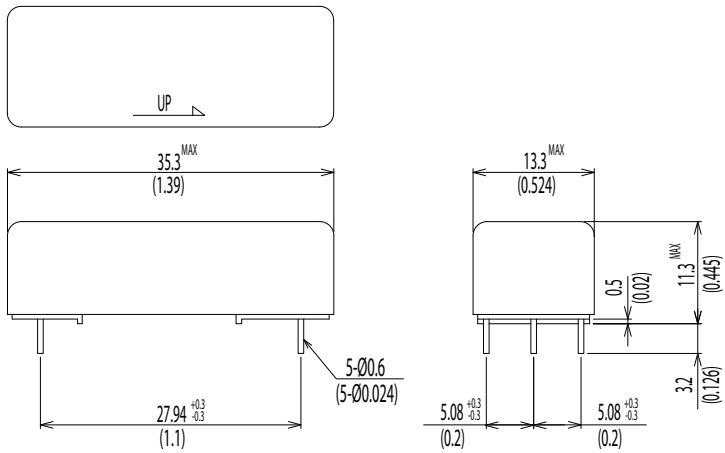
#### 60W-2C□0N0

□=1 (5.0VDC), 2 (12.0VDC)

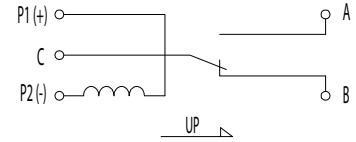
**Dimensions** All Dimensions are mm (inch)

**Schematic <Top View>**

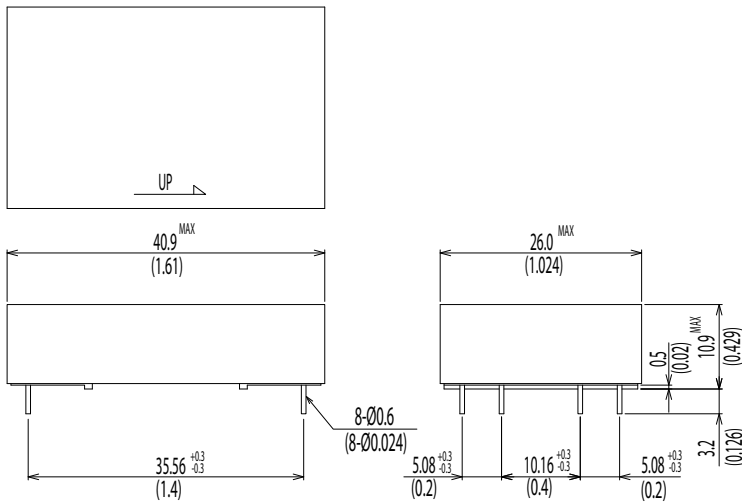
**60W-1C□0N0**



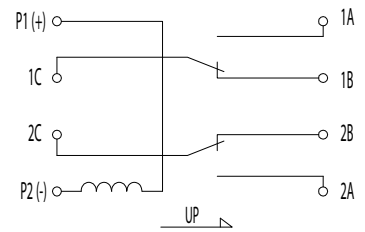
**60W-1C□0N0**



**60W-2C□0N0**



**60W-2C□0N0**



Note: Hg wet contacts must be mounted within 30° of vertical plane.