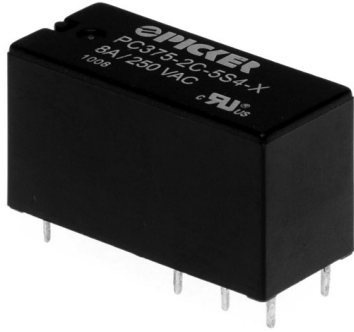


# Low Profile Latching Miniature PCB Power Relay

**PC374L**



## FEATURES

- Up to 10 Amp Continuous Contact Capacity
- Miniature Size 28.6 x 12.6 x 10.1 mm
- 5 KV Dielectric Strength Between Coil and Contacts
- 85°C Operating Temperature
- RoHS Compliant
- Applications: IoT (Internet of Things)

## CONTACT RATING

Load Type	All Forms, All Contacts
General Purpose	10 A at 250 VAC*
	10 A at 30 VDC

## CONTACT DATA

Max Switching Power	300 W, 2,500 VA	
Max. Switching Voltage	125 VDC, 440 VAC	
Max Switching Current	10 A	
Material	AgSnO <sub>2</sub> (Silver Tin Oxide)	
Initial Contact Resistance	100 mΩ max @ 1 A, 6 VDC	
Service Life	Mechanical	1 X 10 <sup>7</sup> Operations
	Electrical	5 X 10 <sup>4</sup> Operations

## CHARACTERISTIC

Operate Time	< 10 ms
Release Time	< 10 ms
Insulation Resistance	1,000 MΩ min, at 500 VDC
Dielectric Strength	5,000 V, 50 Hz. between contact and coil
	1,000 V, 50 Hz. between open contacts
Shock Resistance	Functional 98 m/s <sup>2</sup> , Destructive 980 m/s <sup>2</sup>
Power Consumption	250 mW to activate

## CHARACTERISTIC CONTINUED

Vibration Resistance	10 - 55 Hz, DA 1.65 mm,
Terminal Strength	10N
Solderability	260 °C ± 5°C 5 ± 0.5 secs
Ambient Temperature Range	-40°C to 85°C
Relative Humidity	85% (at 40°C)
Weight	8 g

## ORDERING INFORMATION

Model:	<b>PC374L</b>	PC374L	-1C	-12	S			-L1	R	-X
Contact Form:	<b>1A or 1C</b>									
Coil Voltage:	<b>5, 6, 9, 12, 24</b>									
Enclosure:	<b>S: Sealed; C: Dust Cover</b>									
Contact Material:	<b>Nil: AgSnO<sub>2</sub> G: AgSnO<sub>2</sub>+Au</b>									
Contact Plating:	<b>Nil: Standard, G: Gold</b>									
Version:	<b>L1: Single Coil, L2: Dual Coil</b>									
Polarity:	<b>Nil: Standard, R: Reverse Polarity</b>									
RoHS Compliant:	<b>-X</b>									

Box Quantity: 1,000; Inner Box: 500

## COIL DATA - 1 Coil

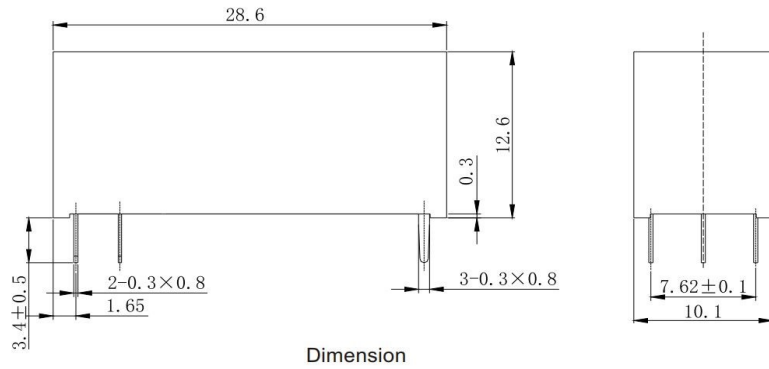
Coil Voltage		Resistance ohms $\pm$ 10%	Coil Power Consumption W	Operate Time Ms	Release Time Ms
Rated	Max				
5	6.5	100	0.25	$\leq$ 10	$\leq$ 10
6	7.8	144			
9	11.7	324			
12	15.6	576			
24	31.2	2,300			

## COIL DATA - 2 Coils

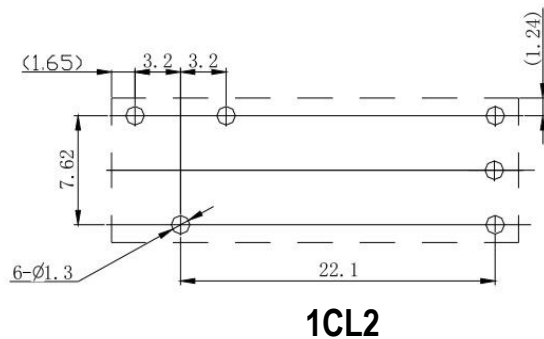
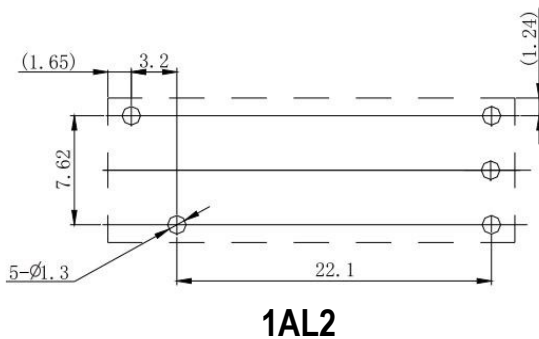
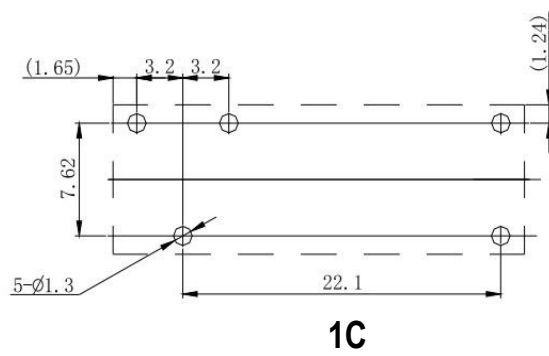
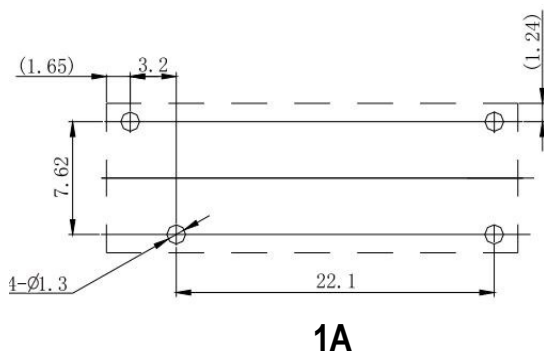
Coil Voltage		Resistance ohms $\pm$ 10%	Coil Power Consumption W	Operate Time Ms	Release Time Ms
Rated	Max				
5	6.5	2 x 52	0.48	$\leq$ 10	$\leq$ 10
6	7.8	2 x 75			
9	11.7	2 x 170			
12	15.6	2 x 300			
24	31.2	2 x 1,200			

**DIMENSIONS**

Dimensions are in millimeters  
Inches are given for general information only



**Mounting (Bottom View)**



**Wiring Diagram (Bottom View)**

