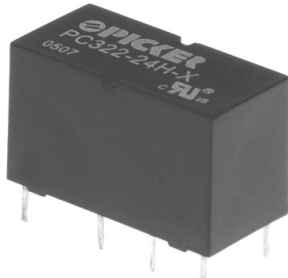


## 2 Amp Subminiature PCB Telecom Relay

**PC322**



### FEATURES

- Subminiature Design
- 0.300" 10 Pin DIL Package
- Contact Capacity from 50 mA to 3 A
- Meets FCC part 68 Voltage Surge
- Class "B" Insulation Standard
- Three Coil Sensitivities Available
- RoHS Compliant:



Contact Form	2 Form C, DPDT(B-M) (Crossbar Contacts)	
Rated Load	Voltage	Amps
General Purpose 50K Cycles	24 VDC	1 A
Resistive 50K Cycles	125 VAC	1 A
Resistive 50K Cycles	30 VDC	2 A
Min. Switching Load	50 mA @ 6 VDC	

### CONTACT DATA

Max. Switching Power	84 W 125 VA	
Max. Switching Voltage	30 VDC 220 VAC	
Max. Switching Current	3 A	
Material	AgNi+Au (Clad); AgPd+Au (Clad)	
Initial Contact Resistance	50 mΩ max	
Service Life	Mechanical	1 X 10 <sup>7</sup> Operations
	Electrical	1 X 10 <sup>5</sup> Operations

### CHARACTERISTIC

Operate Time	6.0 ms. Max.
Release Time	5.0 ms. Max.
Min. Switching Current	50 mA
Min. Switching Voltage	6 VDC
Insulation Resistance	1,000 MΩ min, at 500 VDC
Dielectric Strength	500 VAC, 50 Hz, Between Contacts
	1000 VAC, 50 Hz, Between Coil and Contacts
Surge Withstand Voltage FCC Part.68	1,500 V, Between Open Contacts
	1,500 V, Between Coil and Contacts
	1,500 V, Between Contacts Poles
Power Consumption	150 mW, 200 mW, 360 mW, 510 mW

### CHARACTERISTIC Continued

Shock Resistance	Functional	100 m/s <sup>2</sup> 11 ms
	Survival	500 m/s <sup>2</sup> 11 ms
Vibration Resistance	Functional	10 Hz - 70 Hz Double Amplitude 1.5 mm
	Survival	10 Hz - 70 Hz Double Amplitude 5 mm
Terminal Strength	5N	
Solderability	255 °C 3 s ± 0.5 s	
Temperature Range	-30°C ~ 70°C (-22° F ~ 158° F)	
Weight	5 gr	

### ORDERING INFORMATION

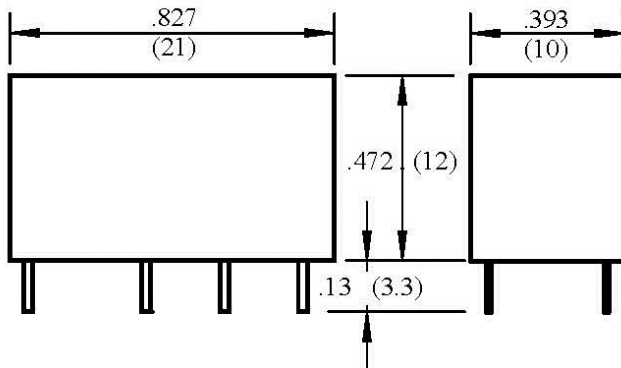
Example:	PC322	-12	P	H	-X
Model:	<b>PC322</b>				
Coil Voltage:	<b>4.5, 5, 6, 12, 24, 48</b>				
Contact Material:	<b>Nil: AgNi + Au; P: AgPd + Au</b>				
Sensitivity:	<b>Nil: Standard 360 mW; .51: 510 mW; H: 200 mW; L: 150 mW</b>				
RoHS Compliant:	<b>-X</b>				

Box Quantity: 2,000 ; Inner Box 1,000

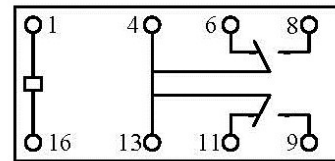
**COIL DATA**

Coil Voltage (VDC)		Coil Power				Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
		Resistance ohms ± 10%					
Rated	Max	.15 W	.20 W	.36 W	.51 W		
3	3.9	60	45	25	17.6	2.25	.3
4.5	5.9	135	101	56	39.7	3.15	.45
5	6.5	166.7	125	70	49	3.50	.5
6	7.8	240	180	100	70.6	4.20	.6
9	11.7	NA	405	NA	NA	6.75	.9
12	15.6	960	720	400	282.4	8.40	1.2
24	31.2	3840	2880	1600	1129.4	18.00	2.4
48	62.4	NA	NA	NA	4517.6	36.0	4.8

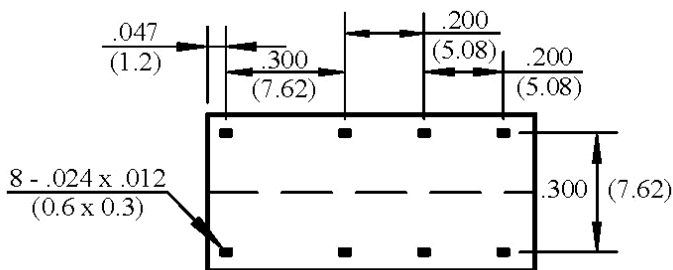
**DIMENSIONS Inches/mm**



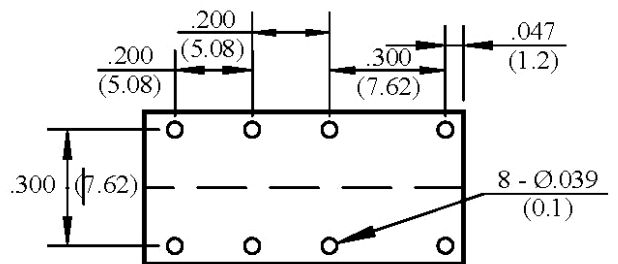
**Relay**



**Wire Diagram  
(2C)**



**Terminal Layout  
(Bottom View)**



**PC Board Mounting  
(Top View)**