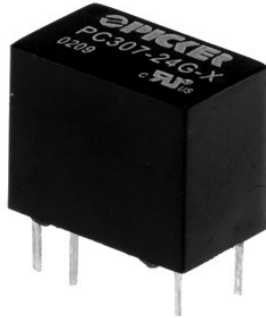


# Ultraminiature 1 Amp PCB Telecom Relay

**PC307**



## FEATURES

- Ultraminiature Design Very Light Weight
- Contact Capacity From 1 mA to 1 A
- Meets FCC Part 68 Voltage Surge
- Class "B" Insulation Standard
- High Sensitivity, 150 mW Nominal Power
- Sealed, Immersion Cleanable
- RoHS Compliant



Contact	1 Form C (SPDT)
Rated Load (Resistive)	.5 A 125 VAC, 1 A 30 VDC
Max. Switching Current	1 A
Max. Switching Voltage	125 VAC, 60VDC
Max. Continuous Current	2 A
Max. Switching Power	62.5 VA 30W
Minimum Load	1 mA 5VDC

## CONTACT DATA

Material	Ag + Au (Clad)	
Initial Contact Resistance	100 mΩ max @ 0.1 A, 6 VDC	
Service Life	Mechanical	5 X 10 <sup>6</sup> Operations
	Electrical	1 X 10 <sup>5</sup> Operations

## CHARACTERISTICS

Operate Time	5 ms Max.
Release Time	5 ms Max.
Insulation Resistance	100 MΩ min, at 500 VDC, 50% RH
Dielectric Strength	50 Hz 500 V between Coil and Contacts
	50 Hz 500 V between Contacts
Shock Resistance	100 m/s <sup>2</sup> 11ms
Vibration Resistance	10 Hz - 55 Hz, DA 3.3 mm
Power Consumption	0.15 W, 0.20 W

## CHARACTERISTICS CONTINUED

Terminal Strength	5N
Solderability	235 °C ± 2°C 3 s ± 0.5 s
Operating Temperature	- 30 to 70°C
Storage Temperature	- 40°C to 155°C
Relative Humidity	35% - 85% at 40°C
Weight	2.2 grams

## ORDERING INFORMATION

Example:	PC307	-12	G	-X
Model:	<b>PC307</b>			
Coil Voltage:	<b>1.5, 3, 5, 9, 12, 24</b>			
Contact Material*:	<b>G: Ag + Au (Clad)</b>			
Coil Power:	<b>Nil: 0.15 W; H: 0.20 W</b>			
RoHS Compliant:	<b>-X</b>			

Box Quantity 2000: Inner Box 1000

**COIL DATA**

Coil Voltage (VDC)		Coil Resistance (Ohms ± 10%)	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Coil Power Consumption W
Rated	Max				
1.5	3.0	15.0	1.2	0.15	0.15
3	6.0	60.0	2.4	0.30	
5	10.0	166.7	4.0	0.50	
6	12.0	240.0	4.8	0.60	
9	18.0	540.0	7.2	0.90	
12	24.0	960.0	9.6	1.20	
24	48.0	3840.0	19.2	2.40	
1.5	2.25	11.3	1.2	0.15	0.20
3	4.5	45.0	2.4	0.30	
5	7.5	125.0	4.0	0.50	
6	9.0	180.0	4.8	0.60	
9	13.5	405.0	7.2	0.90	
12	18.0	720.0	9.6	1.20	
24	36.0	2880.0	19.2	2.40	

**NOTES:**

The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only and are not to be used as design criteria. Dimensions are in mm, Inches are listed for reference only.

**DIMENSIONS inches/(mm)**

