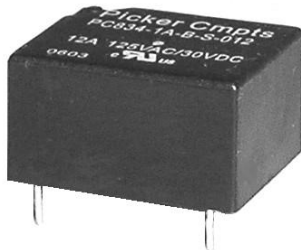


## 12 Amp Subminiature PCB Power Relay

## PC834



### FEATURES

- 12 Amp continuous contact capacity
- 1 Form A contact form
- Smallest 12 Amp relay
- Class "B" insulation standard
- Class "F" insulation available
- 2.5 Kv dielectric between coil and contacts
- Sealed, immersion cleanable
- Lead Free & RoHS Compliant



File # E86876

### UL/CSA RATINGS

Load Type	All Forms All Contacts
General Use	12 Amps @ 125 VAC, 10 Amps @ 277 VAC @ 30 VDC
Resistive	12 Amps @ 125 VAC, 10 Amps @ 277 VAC @ 30 VDC
TV	5 Amps @ 125 VAC

### CONTACT DATA

<b>Material</b>		AgCdO (Silver Cadmium Oxide) AgSnO (Silver Tin Oxide)
<b>Initial Contact Resistance</b>		100 milliohms max @ 0.1A, 6VDC
<b>Service Life</b>	<b>Mechanical</b>	1 X 10 <sup>7</sup> Operations
	<b>Electrical</b>	1 X 10 <sup>5</sup> Operations

### CHARACTERISTICS

<b>Operate Time</b>	10 ms. Max.
<b>Release Time</b>	4 ms. Max.
<b>Insulation Resistance</b>	100 megohms min, at 500VDC, 50%RH
<b>Dielectric Strength</b>	2500 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
<b>Shock Resistance</b>	10 g, 11ms, functional; 100 g, destructive
<b>Vibration Resistance</b>	DA 1.5 mm, 10 - 55 Hz
<b>Power Consumption</b>	.45W
<b>Ambient Temperature Range</b>	-40 to 70 C operating for class B, -40 to 130 C storage
<b>Weight</b>	7 grams approx.

### ORDERING INFORMATION

Example:	PC834	-1A	-12	S	F	-X
Model						
Contact Form						
1A						
Coil Voltage						
Enclosure						
S: Sealed; C: Flux Free						
Insulation System						
Nil: Class B (125 degrees C), F: Class F (155 degrees C)						
RoHS Compliant						
Nil: Not RoHS, -X: RoHS Compliant						

**COIL DATA**

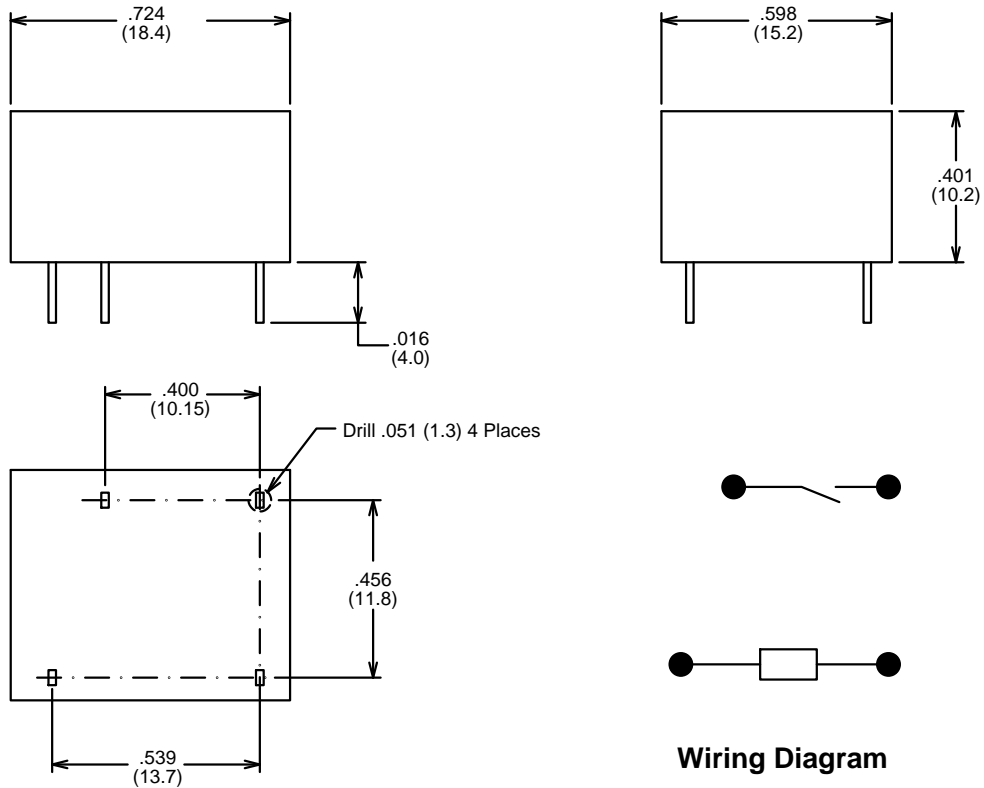
Coil Voltage	Resistance ohms $\pm$ 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
3	20	2.25	0.15	3.9
5	56	3.75	0.25	6.5
6	80	4.5	0.30	7.8
9	180	6.75	0.45	11.7
12	320	9.0	0.60	15.6
18	720	13.5	0.90	23.4
24	1280	18.0	1.20	31.2

Note: Custom coil voltages within the ranges shown are available on special order.

**Dimensions in Inches (millimeters)  
Drawings are 2X actual size**

**Side View**

**End View**



Notes:

Tolerances  $\pm$  .010 unless otherwise noted



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