Ultraminiature PCB Telecom Relay — PC307



FEATURES

- Ultraminiature design
- PC Terminals on .1 in. grid pattern
- Contact capacity from 1 mA to 1A
- Meets FCC part 68 voltage surge
- Class "B" insulation standard
- High sensitivity, 150 mW nominal power
- Sealed, immersion cleanable

c UL us File # E86876

UL/CSA RATINGS

Contact Form	**1 Form C SPDT**
Rated Load	0.5A @ 125VAC; 1A @ 30 VDC
Max. Switching Current	1 Amp
Max. Switching Voltage	125 VAC / 60 VDC
Max. Continuous Current	2 Amps
Max. Switching Power	62.5 VA / 30 W
Minimum Load	1 mA @ 5 VDC

CONTACT DATA

Material		Ag (Fine Silver) Ag + Au (Fine Silver Gold Clad)
Initial Contact Resistance		100 milliohms max @ 0.1A, 6VDC
Service Life	**Mechanical**	5 X 10^6 Operations
	Electrical	1 X 10^5 Operations

CHARACTERISTICS

Operate Time	5 ms. Max.
Release Time	5 ms. Max.
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH between coil and contacts 1,000 megohms min, at 500VDC, 50%RH between open contacts
Dielectric Strength	1000 Vrms, 1 min. between coil and contacts 400 Vrms, 1 min. between open contacts
Surge Resistance	1500 V, between coil and contacts (FCC Part 68)
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 3.3 mm, 10 - 55 Hz
Power Consumption	0.15 W
Ambient Temperature Range	-40 to 70 C operating and storage
Weight	2.2 grams approx.

ORDERING INFORMATION

Example:	PC307	-12	G	-X

Model

Coil Voltage

Contact Material
A: Fine Silver, G: Fine Silver Gold Clad

RoHS Compliant
Nil: Not Rohs, -X: RoHS Compliant

3220 Commander Drive, Suite 102, Carrollton, Texas 75006
Sales: Call Toll Free (888)997-3933 Fax (818) 342-5296 email: pickerwest@sbcglobal.net URL: pickercomponents.com

COIL DATA

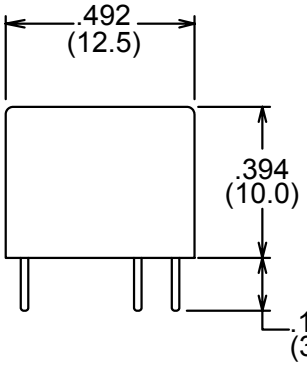
Coil Voltage	Resistance ohms ± 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
3	60	2.4	0.3	3.3
5	167	4.0	0.5	5.5
6	240	4.8	0.6	6.6
9	540	7.2	0.9	9.9
12	960	9.6	1.2	13.2
18	2160	14.4	1.8	19.8
24	3840	19.2	2.4	26.4

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

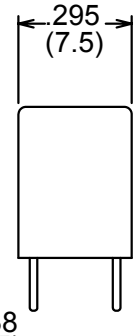
Dimensions in Inches (millimeters)

Drawings are 2X actual size

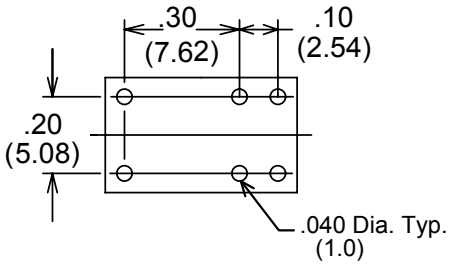
Side View



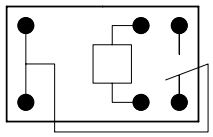
End View



Bottom View
PC Board Layout



Wiring Diagram



Notes:

Tolerances ± .010 unless otherwise noted

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