

DPDT Miniature PCB Power Relay

PC459



FEATURES

- Lowest cost DPDT relay
- 2A, 2B and 2C contact forms available
- 5 and 8 amp versions available
- Sealed, immersion cleanable
- Class B(125 degrees C) insulation standard
- Class F(155 degrees C) insulation available



File # E86876

CONTACT RATINGS

Contact Form	All Contact Forms	
	.5 Watt Coil	.6 Watt Coil
Max Switching Current	3 amps @ 277 VAC	5 amps @ 277 VAC
	5 amps @ 125 VAC	8 amps @ 125 VAC
	3 amps @ 30VDC	5 amps @ 30VDC
Max. Switching Voltage	30 VDC	30 VDC
Minimum Load	0.05 Amps @ 5 VDC (gold clad)	

CONTACT DATA

Material		AgCdO (silver cadmium oxide) AgSnO (silver tin oxide)
Initial Contact Resistance		100 milliohms max @ 0.1A, 6VDC
Service Life	Mechanical	1 X 10 ⁷ Operations
	Electrical	1 X 10 ⁵ Operations

CHARACTERISTICS

Operate Time	5 ms. typical
Release Time	4 ms. typical
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	1000 Vrms, 1 min. between coil and contacts
Shock Resistance	30 g, 6 ms, functional; 100 g, destructive
Vibration Resistance	6g, 10 - 500 Hz
Drop Resistance	1 Meter height drop on concrete
Power Consumption	0.5 W or .6 W
Ambient Temperature Range	-40 to 105 degrees C operating, -40 to 125 storage
Weight	12 grams approx.

ORDERING INFORMATION

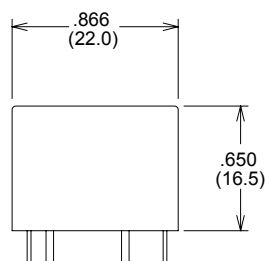
Example:	PC459	-2C	-12	S	G
Model					
Contact Form					
2A, 2B, or 2C					
Coil Voltage					
Enclosure					
S: Sealed, C: Dust Cover					
Options					
G: Gold Clad					

COIL DATA

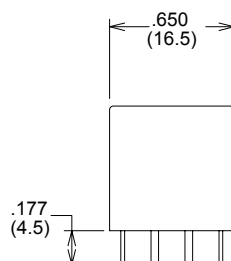
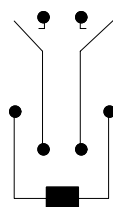
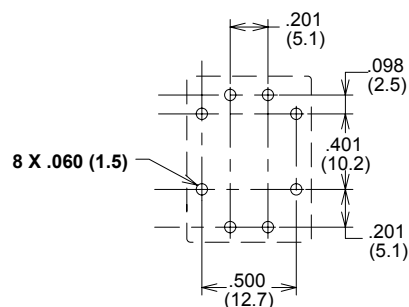
Coil Voltage	Resistance ohms $\pm 10\%$	Must Operate Voltage Max. VDC	Must Release Voltage Min. VDC	Coil Power Consumption W
6	72	4.5	0.6	0.5
9	162	6.75	0.9	
12	288	9.0	1.2	
24	1152	18.0	2.4	
6	60	4.5	0.6	0.6
9	135	6.75	0.9	
12	240	9.0	1.2	
24	960	18.0	2.4	

Dimensions in Inches (millimeters)

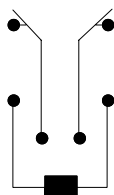
Side View



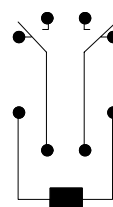
End View

Bottom View
PC Board Layout

2A



2B



2C

Wiring Diagrams
Bottom ViewTolerances $\pm .010$ unless otherwise noted
PICKER
 COMPONENTS

3220 Commander Drive, Suite 102, Carrollton, Texas 75006

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