

Subminiature 10 Amp PCB Power Relay

PC236



FEATURES

- Subminiature design
- 1 A (SPST NO) and 1 C (SPDT) contact forms available
- 10 amps at 125 VAC, 5 amps at 250 VAC
- 1/2 HP at 125 VAC
- TV-5 rating
- Up to 85 degrees C operating temperature
- Sealed, immersion cleanable



File # E93379

CONTACT RATINGS

Contact Form	1 Form A or 1 Form C SPST NO or SPDT
Max Switching Current	10 Amps @ 125 VAC 5 Amps @ 250 VAC
Max. Switching Voltage	250 VAC
Motor Load	1/2 HP @ 125 VAC
TV Rating	TV-5

CONTACT DATA

Material	AgCdO (Silver Cadmium Oxide) AgSnOInO (Silver Tin Oxide Indium 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	10 ms. MAX
Release Time	5 ms. MAX
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	1500 Vrms, 1 min. between coil and contacts
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 1.5 mm, 10 - 55 Hz
Drop Resistance	1 Meter height drop on concrete
Power Consumption	Standard: 0.6 W; Large Gap: 0.8 W
Ambient Temperature Range	-30 to 85 degrees C operating, -40 to 100 storage
Weight	6 grams approx.

ORDERING INFORMATION

Example:	PC236	-1C	-12	F	-G
Model					
Contact Form					
1A or 1C					
Coil Voltage					
Insulation System					
Nil: Class B (125 degrees C); F: Class F (155 degrees C)					
Contact Gap					
Nil: Standard; G: Large Gap					

COIL DATA

Coil Voltage	Resistance ohms ± 10%				Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
	Standard Coil		Large Gap			
6	60	0.6 W	45	0.8 W	3.6	0.6
9	135		100		5.4	0.9
12	240		180		7.3	1.2
24	960		720		14.4	2.4

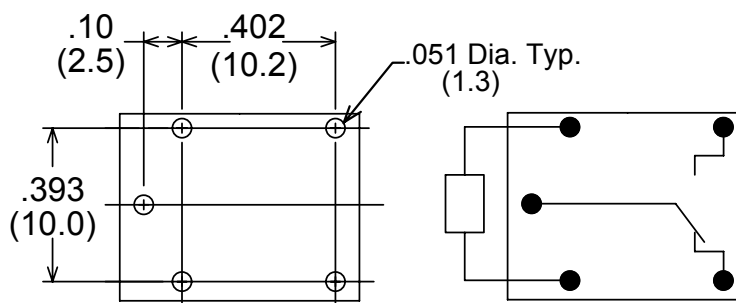
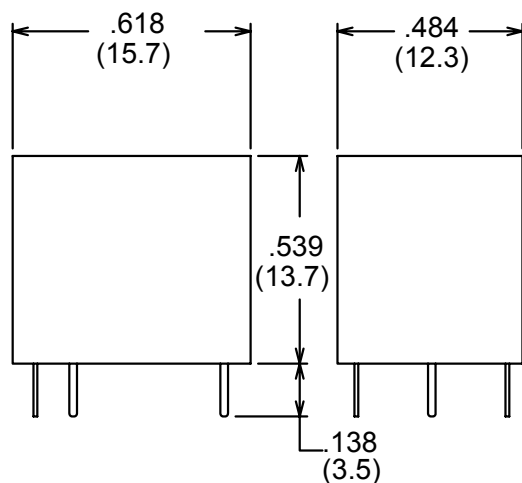
Dimensions in Inches (millimeters)
Drawings are 2X actual size

Side View

End View

Bottom View
PC Board Layout

Wiring Diagram



Notes:
Contact Form C shown
On Contact Forms A & B Unused Pins are Omitted
Tolerances $\pm .010$ unless otherwise noted

PICKER
COMPONENTS

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