

Miniature PCB Power Relay **PC459**



Features

- Lowest Cost Double-Pole Relay
- 2A, 2B and 2C Contact Forms Available
- Sealed, Immersion Cleanable
- Class B (125°C) Insulation Standard
- Class F (155°C) Insulation Available
- RoHS Compliant



CONTACT RATINGS

Contact Form	All Contact Forms
	.6 W Coil
MAX Switching Current	10 Amps @ 277 VAC
	6 Amps @ 125 VAC
	10 Amps @ 30 VDC
MAX Switching Voltage	50VDC / 380 VAC
Minimum Load	0.05 Amps @ 5VDC

CONTACT DATA

Material	AgCdO (Silver Cadmium Oxide , Au Clad)
	AgSnO (Silver Tin Oxide, Au Clad)
Initial Contact Resistance	50 mOhms
Service Life	Mechanical 1 x 10 ⁷ Operations
	Electrical 1 x 10 ⁵ Operations

CHARACTERISTICS

Operate Time	10 ms. Typical
Release Time	5 ms. Typical
Insulation Resistance	100 Mohms Min (@ 500VDC)
Dielectric Strength	1000 V @ 50 Hz
Shock Resistance	100 m/s ² 11ms
Vibration Resistance	10 Hz - 55 Hz (1.5mm Amplitude)
Power Consumption	.6 W
Ambient Temperature Range	-40°C ~ 70°C (@ 85% RH, None-Condensing)
Weight	12g

ORDERING INFORMATION

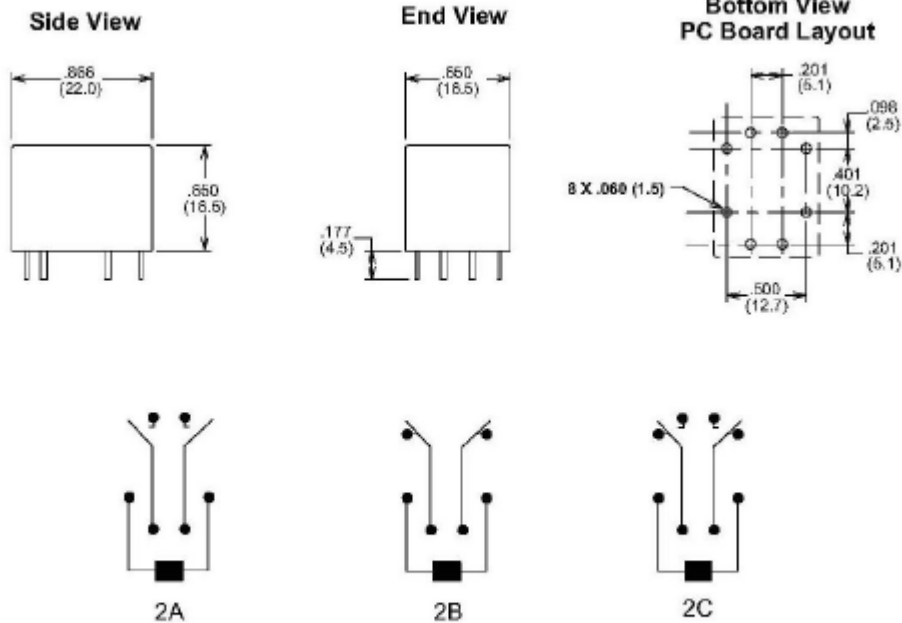
Example:	PC459	-2C	-12	S	.5	-X
Model:	PC459					
Contact Form:	2A, 2B or 2C					
Coil Voltage:	5, 9, 12, 24					
Enclosure:	S: Sealed; C: Dust Cover					
Options:	.5: 500 milliwatt					
RoHS Compliant:	-X					

Box Quantity: 2,000; Inner Box: 1,000

COIL DATA

Coil Voltage	Resistance ohms +/-10%	Must Operate	Must Release
		Voltage MAX (VDC)	Voltage MIN (VDC)
5	18	3.9	0.5
8	60	4.5	0.6
9	135	6.8	0.9
12	240	9	1.2
24	960	18	2.4

Dimensions in Inches (millimeters)



Wiring Diagrams
Bottom View