

Ultraminiature Automotive PCB Twin Power Relay **PC567**



FEATURES

- Ultraminiature Design
- Sensitive Coil (Low Pull In Voltage) Available
- Contact Switching Capacity up to 30 Amps
- UL Class F Insulation Available
- Sealed, Immersion Cleanable
- RoHS Compliant
- Available as a Single see PC565

CONTACT RATINGS 14 VDC

Contact Form	2 Form C 2-DPDT
Max Switching Current	30 A
Max Switching Power	480 Watts
Max Switching Voltage	16 VDC
Max Continuous Current	25 A
Motor Locked Rotor	25 A at 14 VDC

CONTACT DATA

Material	AgSnO ₂	
Service Life	Electrical	1 x 10 ⁵ Operations
	Mechanical	1 x 10 ⁶ Operations

CHARACTERISTICS

Operate Time	10 ms Max
Release Time	5 ms Max
Insulation Resistance	100 MΩ min at 500VDC,
Dielectric Strength	500 V 50 Hz between contacts
	1,000 V 50 Hz between coil and contacts
Shock Resistance	98 m/s ² 11 ms
Vibration Resistance	10 Hz - 500 Hz; Acceleration: 43.1 m/s ²
Terminal Strength	5 N
Operating Temperature	-40 to 85°C Standard
Operating Temperature	-40 to 105°C Class F
Relative Humidity	85% (40°C)
Weight	4.1 g
Power Consumption	640 mW, 800 mW

ORDERING INFORMATION

Example:	PC567	-2C	-12	H	-X
Model:	PC567				
Contact Form:	2C				
Coil Voltage:	12, 12H				
Coil Power:	Nil: 0.64 W; H: Sensitive 0.80 W				
Insulation System:	Nil: -40° C to +85° C; F: -40° C to +105° C*				
RoHS Compliant:	-X				

Box Quantity: 1080

*White cover and suited for reflow soldering.

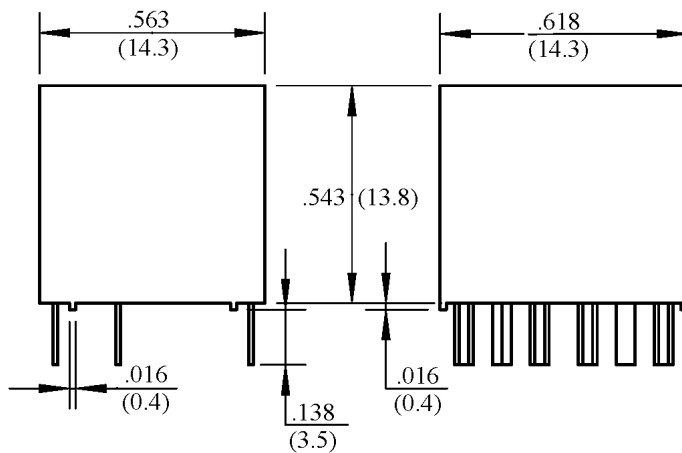
COIL DATA

Coil Voltage (VDC)		Resistance (Ohms ± 10%)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (mW)
Rated	Max				
12	16	96	7.2	1.0	640
12H	16	384	6.5	1.0	800

NOTES:

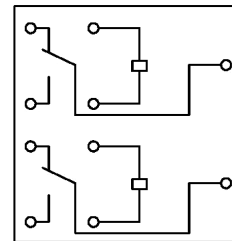
The use of any coil voltage less than the rated voltage will compromise the operation of the relays.
Must Operate Voltage and Release voltages are for test purposes only and are not to be used as design criteria.

DIMENSIONS inches/(mm)

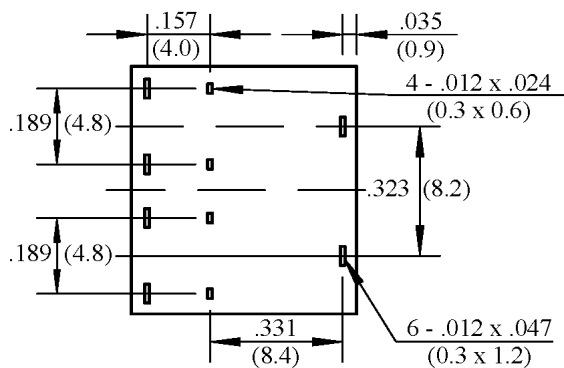


**Relay
(Front View)**

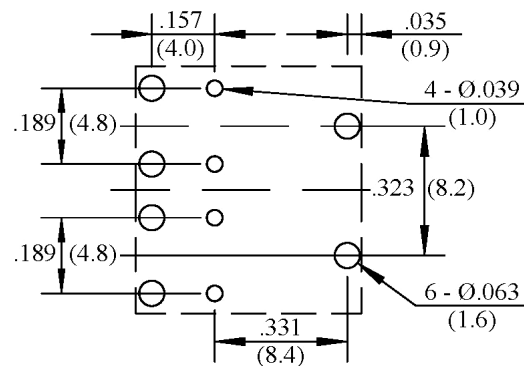
**Relay
(Side View)**



Wire Diagram



**Terminal Layout
(Bottom View)**



**PC Board Layout
(Top View)**