

Ultraminiature Automotive PCB Twin Power Relay

PC549



FEATURES

- Ultraminiature twin relay design very light weight
- 2 A (DPST NO) and 2 C (DPDT) contact forms available
- Contact switching capacity up to 100 Amps
- Sealed, immersion cleanable
- 105 degrees C operating temperature
- Coils can be used together or independently
- **Now available Lead Free & RoHS Compliant**

CONTACT RATINGS

Contact Form	2 Form A or 2 Form C DPST NO or DPDT
Max Switching Current	Make 100 Amps
	Break 30 Amps
Max. Switching Voltage	16 VDC
Max. Continuous Current	NO/30 Amps, NC/25 Amps
Minimum Load	0.5 Amps @ 12 VDC

CONTACT DATA

Material	AgNiO 15 (Silver Nickel Oxide 15%) 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	3 ms. typical
Release Time	1.5 ms. typical
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	500 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	0.55 W
Ambient Temperature Range	-40 to 105 degrees C operating, -40 to 100 storage
Weight	8 grams approx.

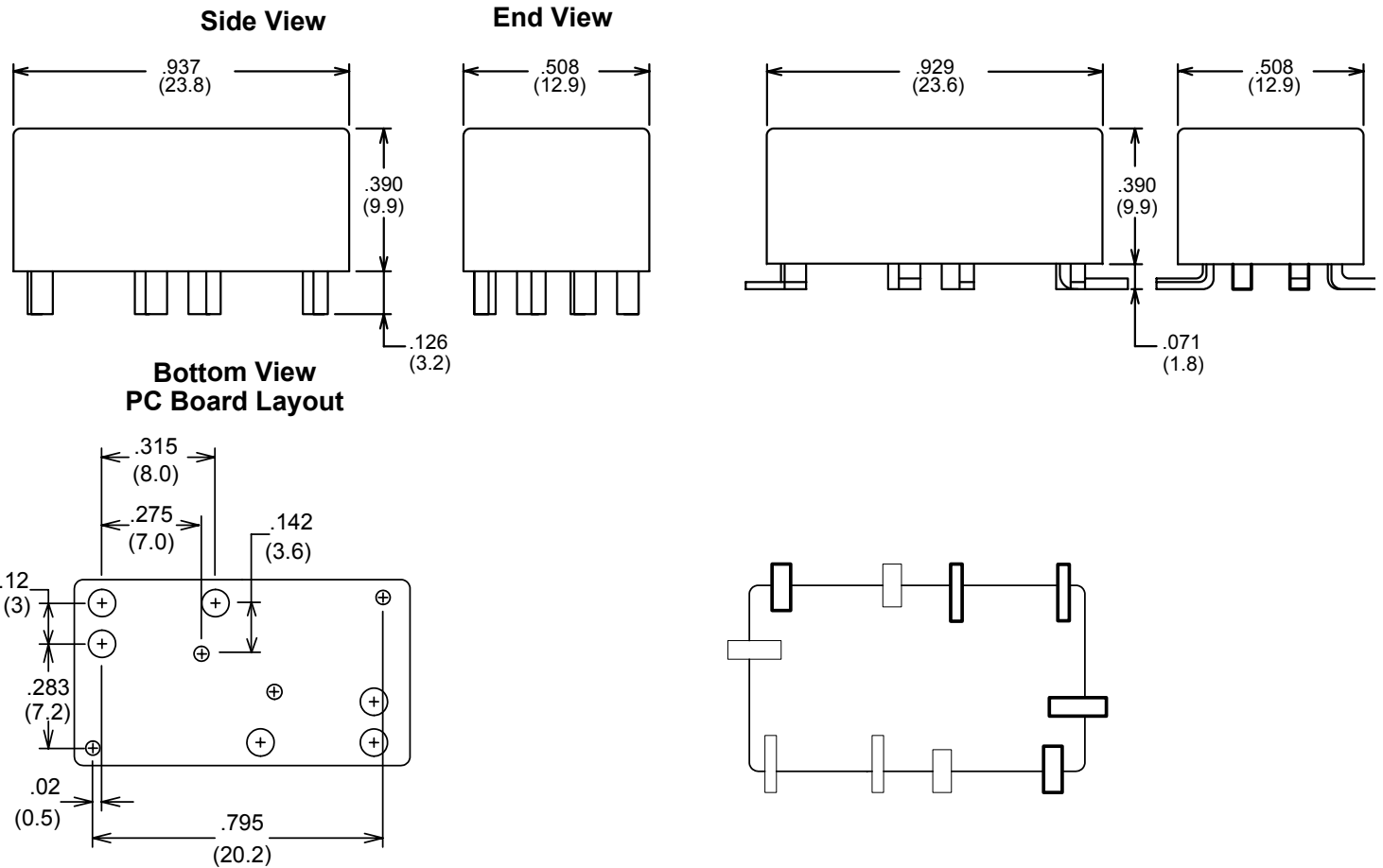
ORDERING INFORMATION

Example:	PC549	-2C	-12	N	S	-X
Model						
Contact Form						
2A or 2C						
Coil Voltage						
Contact Material						
Nil: AgSnOInO, N: AgNi 15						
Mounting Style						
Nil: Through Hole, S: SMT						
RoHS Compliant						
Nil: Not RoHS, -X: RoHS Compliant						

COIL DATA

Coil Voltage	Resistance ohms \pm 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
6	64	3.5	0.75	13.6
10	181	5.7	1.25	22.7
12	254	6.9	1.5	27.2
24	1000	14.0	3.0	54.4

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



Notes:
 Contact Form C shown
 On Contact Form A Unused Pin is Omitted
 Tolerances \pm .010 unless otherwise noted
 Maximum make current refers to inrush of a lamp load
 In 85 degree C ambient reduce maximum coil voltage to 72%



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