
**FEATURES**

- Microminiature Design
- DIL Package for PC Board or Socket
- Low 5mm Profile
- Meets FCC Part 68 Voltage Surge
- Bifurcated Contacts for High Sensitivity
- .300" 10 Pin DIL Socket Footprint


**UL / CUL Ratings**

Contact Form	2 Form C, DPDT bifurcated contacts	
Rated Load	Voltage	Amps
	Resistive, 6K cycles, 40°C	30VDC 1A
Resistive, 6K cycles, 40°C	125VAC	.5A

**CHARACTERISTICS**

Insulation Resistance	100MΩ min. at 500 VDC
Dielectric Strength	1500V rms, between coil & contacts
	1000V rms, between contacts
	1000V rms, between poles
Initial Surge Voltage	2500V (Telcordia, 2X10us), between coil & contacts
	1500V (FCC part 68, 10x60us), between contacts
Power Consumption	.14W, .20W, .30W, .40W
Terminal Strength	5N
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 155°C
Shock Resistance	500 m/s <sup>2</sup> 11 ms
Vibration Resistance	10-40 Hz double amplitude 3mm
Weight	1.5g

**CONTACT DATA**

Maximum Switching Power	30W	
Maximum Switching Voltage	250VAC, 48VDC	
Maximum Switching Current	1A	
Material	AgPd, Au Plated	
Initial Contact Resistance	50 mΩ max.	
Service Life	Mechanical	1 x 10 <sup>7</sup> operations
	Electrical	1 x 10 <sup>5</sup> operations

**ORDERING INFORMATION**

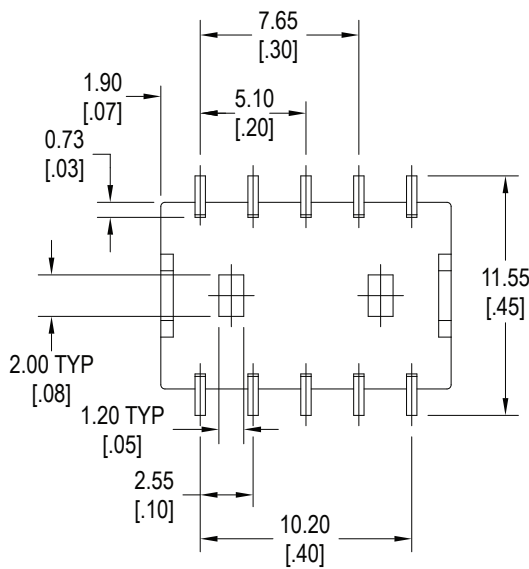
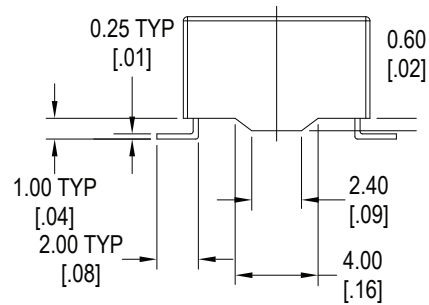
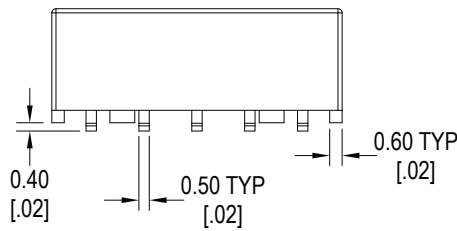
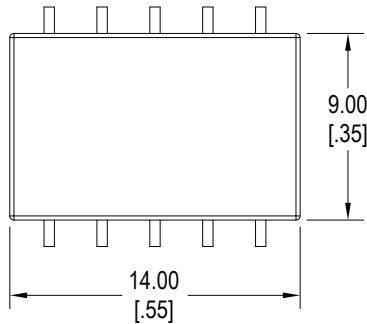
Example	PC302S	-12	-X
Model:	PC302S		
Coil Voltage:	5 = 5VDC		
	9 = 9VDC		
	12 = 12VDC		
	24 = 24VDC		
Type of Operation:	Nil = Single Side Stable		
RoHS Compliant:	X = RoHS Compliant		

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the application. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

COIL DATA - Single Side Stable

Coil Voltage		Resistance (Ohms ± 10%)	Pick Up Voltage Max. VDC	Release Voltage Min. VDC	Coil Power W	Operate Time ms	Release Time ms
Rated	Maximum						
5	6.5	178	3.75	.5	.14	4	4
9	11.7	579	6.75	.9			
12	18.0	1028	9.00	1.2			
24	36.0	2880	18.00	2.4	.20		

DIMENSIONS mm (inches)



SCHEMATICS & PC LAYOUT *Top Views*

