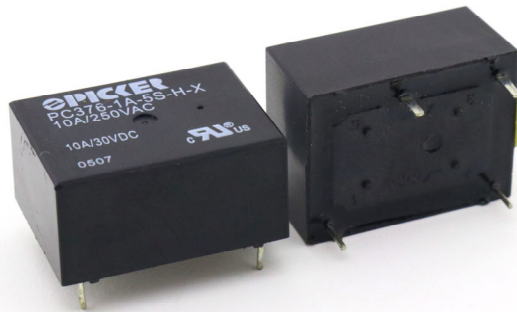


Subminiature PCB Power Relay

PC376



FEATURES

- 10 Amp continuous Contact Capacity
- 1 Form A Contact Form
- Subminiature Design
- Class "B" Insulation Standard
- Sensitivity Version Available
- Sealed or Flux Free Covers Available
- RoHS Compliant

CROSS REFERENCES

Omron G5CA
Example: G5CA-1A4-E-DC12 Crosses to PC376-1A-12S-H-X
TE PCD
Example: PCD-112D1MH,000 Crosses to PC376-1A-12S-H-X
Song Chuan 201N
Example: 201N-1AH-V-12VDC Crosses to PC376-1A-12S-H-X

UL / CUL Ratings

UL US E93379

Rated Load		1A SPST	1C SPDT	
		NO	NO	NC
Resistive	250 VAC	16 A	10 A	10 A
	30 VDC	16 A	10 A	10 A
Max. Switching Power		480 W 4,000 VA		
Max. Switching Voltage		110 VDC 380 VAC		
Max. Switching Current		16 A		

CONTACT DATA

Material		AgCdO
Initial Contact Resistance		50 mΩ Max.
Service Life	Mechanical	1 X 10 ⁷ Operations
	Electrical	1 X 10 ⁵ Operations

CHARACTERISTIC

Operate Time	10 ms. Max.
Release Time	5 ms. Max.
Insulation Resistance	100 MΩ min, at 500 VDC
Dielectric Strength	750 V, 50 Hz, Between Open Contacts
	1,500 V, 50HZ, Between Coil and Contacts
Shock Resistance	1000 m/s ² 11 ms
Power Consumption	200 mW, 450 mW

CHARACTERISTIC Continued

Vibration Resistance	10 Hz - 55 Hz Double Amplitude 1.5 mm
Terminal Strength	10N
Solderability	260°C for 5 seconds
Operating Temperature	-40°C - 85°C Class B
Operating Temperature	-40°C - 125°C Class F
Relative Humidity	85% at 20°C
Weight	10 g

ORDERING INFORMATION

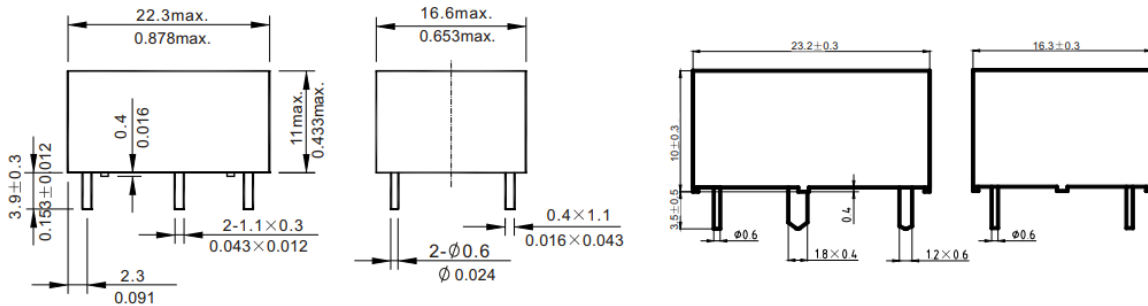
Example:	PC376	-1A	-12	S	-H	-X
Model:	PC376					
Contact Form:	1A, 1C					
Coil Voltage:	3, 5, 6, 9, 12, 18, 24, 48					
Enclosure Free:	S: Sealed; C: Flux Free					
Insulation Material:	Nil: Class B; F: Class F					
Coil Sensitivity:	Nil: Standard 450 mW; H: Sensitive 200 mW					
RoHS Compliant:	-X					

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

COIL DATA

Coil Voltage (VDC)		Resistance ohms ± 10%	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (W)	Coil Sensitivity
Rated	Max					
5	6.5	125	3.75	0.25	200 mW	H
6	7.8	180	4.50	0.30		
9	11.7	405	6.75	0.45		
12	15.6	720	9.00	0.60		
18	23.4	1620	13.5	0.90		
24	31.2	2880	18.0	1.20		
48	52.8	9216	38.4	2.40		
5	6.5	56	3.75	0.25	450 mW	Nil
6	7.8	80	4.50	0.30		
9	11.7	180	6.75	0.45		
12	15.6	320	9.00	0.60		
18	23.4	720	13.5	0.90		
24	31.2	1280	18.0	1.20		
48	52.8	5,120	38.4	2.40		
100	130.0	166,600	80.0	10.0		

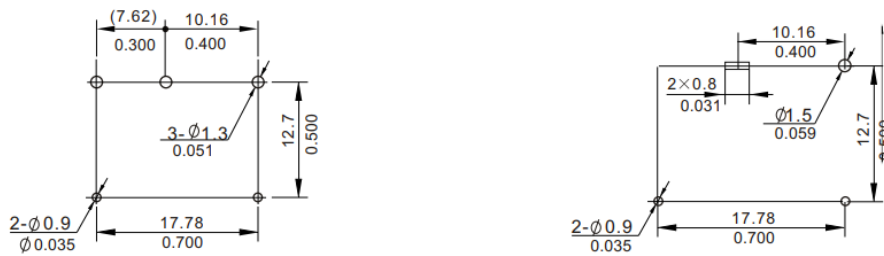
DIMENSIONS (mm/in)



1C

Dimensions

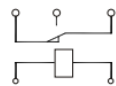
1A



1C

Mounting (Bottom view)

1A



1C



1A

Wiring diagram(Bottom view)