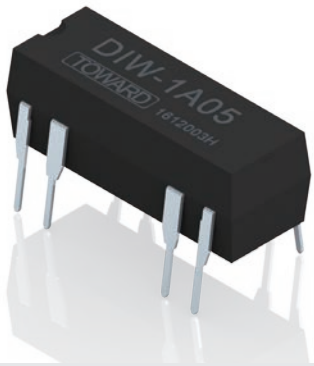
DIW Series

DIP Type. Wet Reed Relay

Features

- High Power Mercury Reed Relay.
- Low Stray Capacitance.
- High Life Expecancy.
- Diode Magnetic shield and Options.



Order Code

DIW/DIWN-1A-XX X-X-X
a b c d

a : Nominal Coil Voitage : 05=5VDC, 12=12VDC, 24=24VDC
b : Nil=Standard Type, D=Diode, S=Magentic Shield,
N=Diode+Mangnetic Shield
c : Special Code
d : Nil=Pin2 and Pin13 not Connected,
T=Pin2 and Pin13 Connected

Coil Date-Standard Type 1 Form A (at 20℃)

Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% [ohm]	Nominal Current (mA)	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)
5	150	33.3	3.8	0.5
12	500	24	9	1
24	1440	16.7	18	2

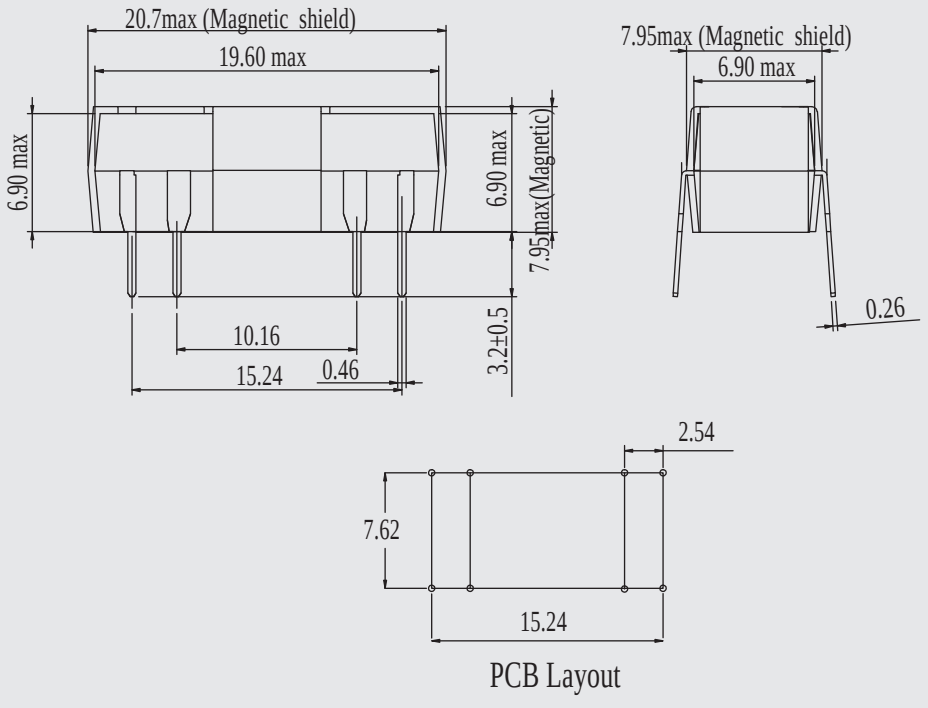
Contact Rating

Relay Model	DIW	DIWN
Max.Switching Power	50W	
Max.Switching Voltage	1500VDC	500VDC
Max.Switching Current	2A	
Max.Carry Current	3A	

Specification

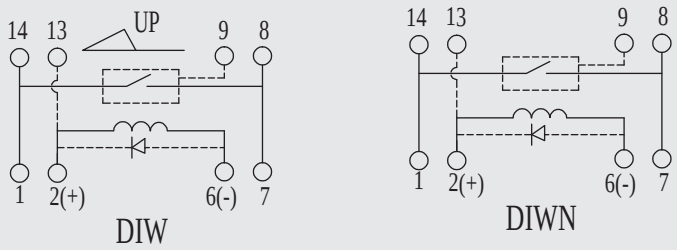
Relay Model	DIW	DIWN
Contact Resistance	100mΩ	
Operate Time (Incl.bounce)	2.0mS	1.2mS
Release Time	1.5mS	1.0mS
Insulation Resistance	Open Contacts $1x10^{10}$Ω	
	Contacts to Coil $1x10^{10}$Ω	
Dielectric Strength	Open Contacts 2000VDC	Open Contacts 1500VDC
	Contacts to Coil 1500VDC	Contacts to Coil 1500VDC
Capacitance(between open contacts)	0.3pF	
Vibration(10-55Hz)	10G	20G
Shock Resistance(11ms,1/2sin Wave)	30G	50G
Operating Temperature	-10℃ ~+60℃	
Storage Temperature	-30℃ ~+80℃	
Life Expectancy of Mechanical	$1x10^9$ Operations	
Life Expectancy of Electrical	500VDC, 0.1A, $5x10^7$ Operations (R.L.)	

Dimensions (Unit : mm)



PCB Layout

Wiring Diagrams (Botton View)



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