

Main Feature

1. Epoxy molded Dual-In-Line package.
2. Low profile, mounting space compatible with DIP IC.
3. Completely washable.
4. Provide high speed, miniature and cost effective switching solution.



Contact Rating

Load Type	DIR/DID	
	Rated Load (Resistive)	0.5A 100VDC
Rated Carrying Current	0.5A	0.2A
Max. Allowable Voltage	100 VDC	30 VDC
Max. Allowable Current	0.5A	0.2A
Max. Allowable Power Force	10 VA	3 VA
Min. Switching Load	DC 1V, 1mA	DC 1V, 1mA
Contact Material	Ru Alloy	Ru Alloy
Contact Form	SPST/DPST	SPDT

Application:

Security system, Modem and other telecommunication products.

Performance (at Initial Value)

- Contact Resistance 150 mΩ Max. @
100mA, 6VDC
- Operate Time 0.5 mSec. Max.
- Release Time 0.5 mSec. Max.
- Dielectric Strength:
Between Coil & Contact 1,400 VDC.
4,000 VDC(4 Lead)
- Between Contacts 200 VDC

- Insulation Resistance:.....100 MΩ Minimum
- Temperature Range:
Operating-40~85 °C.
Storage-55~125 °C.
- Humidity Range45~85% RH.
- Vibration20 G.
- Shock100 G.
- Life Expectancy:
Electrical10⁸ Operations at
ref. 10VDC, 10mA
- Weight.....About 1.8g

Safety Standard & Its File Number

- C-UL.....E141060.

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (mW)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
DIR/DID	5	10	500	50	3.75	0.80	16
	12	12	1,000	144	9.00	1.00	20
	24	11	2,150	268	17.50	2.50	32

Ordering Information

DIR - S 4 - 1 05 A

Contact Form:

A: Make Contact Only
B: Break Contact Only
C: Change-Over Contacts

Coil Voltage:
Number of Pole:

05: 5V, **12:** 12V, **24:** 24V
1: One Pole
2: Two Poles

Lead Number:

4: 4 Leads
8: 8 Leads

Terminal shape:

S: Standard (DIP)
C: Lead 2 & 13 are connected (DIP)
M: Standard (SMD)
N: Lead 2 & 13 are connected (SMD)

Type:

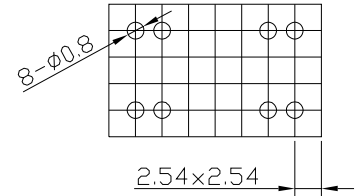
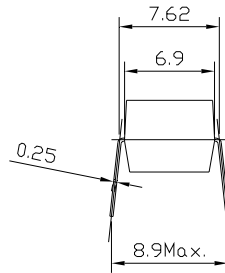
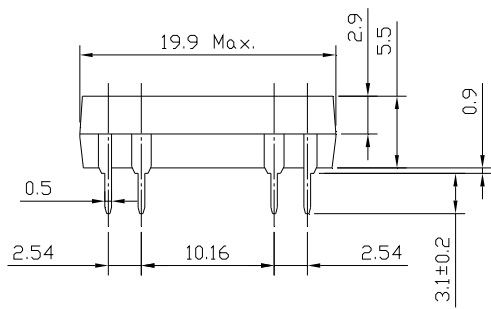
DIR: None Diode
DID: With Diode

Classification

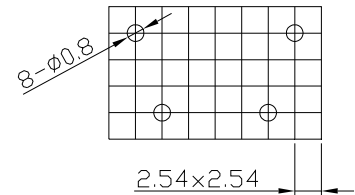
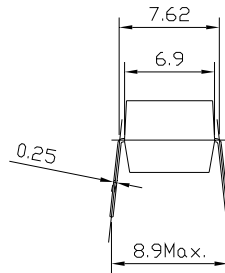
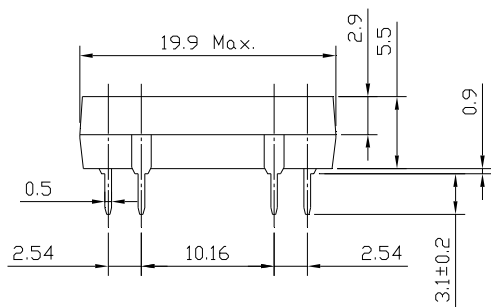
Model	DIR/DID							
Terminal shape	DIP				SMD			
Lead 2 & 13	Connected		Disconnected		Connected		Disconnected	
Lead Type	4 Leads	8 Leads	4 Leads	8 Leads	4 Leads	8 Leads	4 Leads	8 Leads
Contact Form	-	1A/1B/1C/2A	1A	1A/1B/1C/2A	-	1A/1B/1C/2A	1A/1B/1C/2A	1A/1B/1C/2A
Ordering Type	-	DIR-C8-1□□A DIR-C8-1□□B DIR-C8-1□□C DIR-C8-2□□A DID-C8-1□□A DIR-C8-1□□C DID-C8-2□□A DID-C8-1□□B	DIR-S4-1□□A DID-S4-1□□A	DIR-S8-1□□A DIR-S8-1□□B DIR-S8-1□□C DIR-S8-2□□A DID-S8-1□□A DID-S8-1□□C DIR-S8-2□□A DID-S8-1□□B	-	DIR-N8-1□□A DIR-N8-1□□B DIR-N8-1□□C DIR-N8-2□□A DID-N8-1□□A DID-N8-1□□C DID-N8-2□□A DID-N8-1□□B	DIR-M4-1□□A DID-M4-1□□A	DIR-M8-1□□A DIR-M8-1□□B DIR-M8-1□□C DIR-M8-2□□A DID-M8-1□□A DID-M8-1□□C DID-M8-2□□A DID-M8-2□□B

Dimension ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

DIP

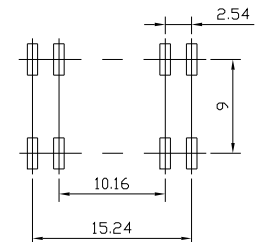
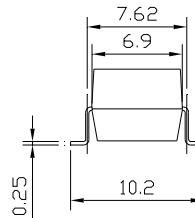
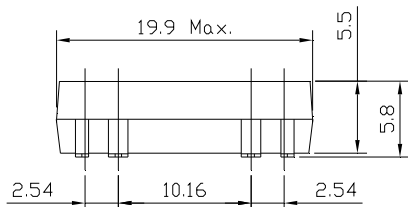


P.C.B. Layout

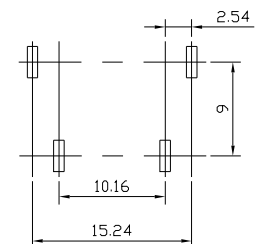
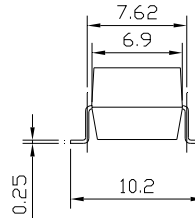
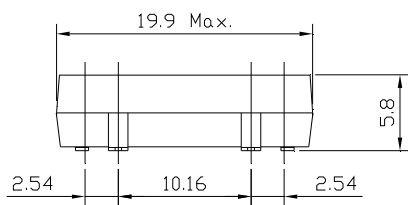


P.C.B. Layout

SMD

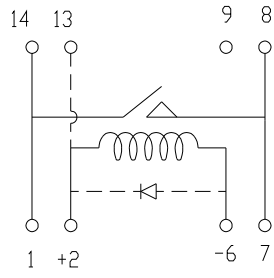


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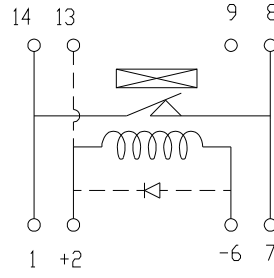


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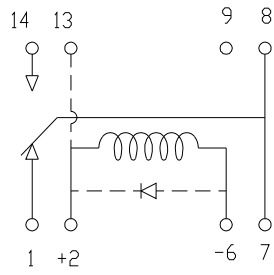
Wiring Diagram



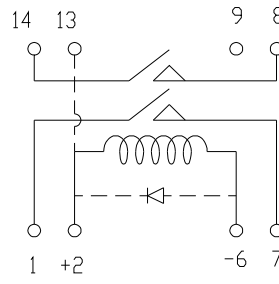
(1 form A)



(1 form B)



(1 form C)



(2 form A)

