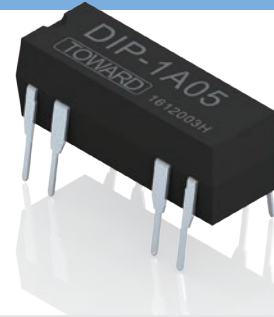


DIP Series

DIP & SMD Reed Relay

Features

- Epoxy molded ,14pin dual-in-line packages.
- Can be immersed during board cleaning operations.
- High isolation between input and outoput.
- High speed and low driving power..
- Diode and Mangnetic shield available.



Order Code

DIP- XX-XX X X X X X
 a b c d e f g

a : Contact Form : 1A=1FormA, 2A=2FormA, 1B=1FormB, 1C=1FormC
 b : Coil Voltage : 05=5V, 12=12V, 24=24V
 c : Nil=Standard type, D=Diode, S=Mangnetic Shield,
 N=Diode+Mangnetic Shield
 d : Nil=No Electrostatic Shield, E=Electrostatic Shield
 e : Nil=Pin2 and Pin13 to not Connected, T=Pin2 and Pin13 Connected
 f : Nil=Std.Grade, Y or C =ATE Grade
 g : Nil=Standard Type, J=SMD J Model, G=SMD G Model

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

| Nominal Voltage DC ± 10% [V] | Coil Resistance ± 10% [ohm] | Nominal Input Power | Max. Operate Voltage (VDC) | Min. Release Voltage (VDC) | Max. Allowable Voltage (VDC) |
|---------------------------------|--------------------------------|---------------------|-------------------------------|-------------------------------|---------------------------------|
| 5 | 500 | 50mW | 3.75 | 0.6 | 10 |
| 12 | 1000 | 144mW | 9 | 1 | 20 |
| 24 | 2150 | 268mW | 18 | 2 | 32 |

Coil Date-Standard Type 1 Form B (at 20°C)

| Nominal Voltage DC ± 10% [V] | Coil Resistance ± 10% [ohm] | Nominal Input Power | Max. Operate Voltage (VDC) | Min. Release Voltage (VDC) | Max. Allowable Voltage (VDC) |
|---------------------------------|--------------------------------|---------------------|-------------------------------|-------------------------------|---------------------------------|
| 5 | 500 | 50mW | 3.75 | 0.6 | 6 |
| 12 | 1000 | 144mW | 9 | 1 | 14.5 |
| 24 | 2150 | 268mW | 18 | 2 | 29 |

Coil Date-Standard Type 1 Form C (at 20°C)

| Nominal Voltage DC ± 10% [V] | Coil Resistance ± 10% [ohm] | Nominal Input Power | Max. Operate Voltage (VDC) | Min. Release Voltage (VDC) | Max. Allowable Voltage (VDC) |
|---------------------------------|--------------------------------|---------------------|-------------------------------|-------------------------------|---------------------------------|
| 5 | 200 | 125mW | 3.75 | 0.6 | 10 |
| 12 | 500 | 288mW | 9 | 1 | 20 |
| 24 | 2000 | 268mW | 18 | 2 | 28 |

Coil Date-Standard Type 2 Form A (at 20°C)

| Nominal Voltage DC ± 10% [V] | Coil Resistance ± 10% [ohm] | Nominal Input Power | Max. Operate Voltage (VDC) | Min. Release Voltage (VDC) | Max. Allowable Voltage (VDC) |
|---------------------------------|--------------------------------|---------------------|-------------------------------|-------------------------------|---------------------------------|
| 5 | 140 | 179mW | 3.75 | 0.6 | 10 |
| 12 | 500 | 288mW | 9 | 1 | 20 |
| 24 | 2150 | 268mW | 18 | 2 | 32 |



Contact Rating

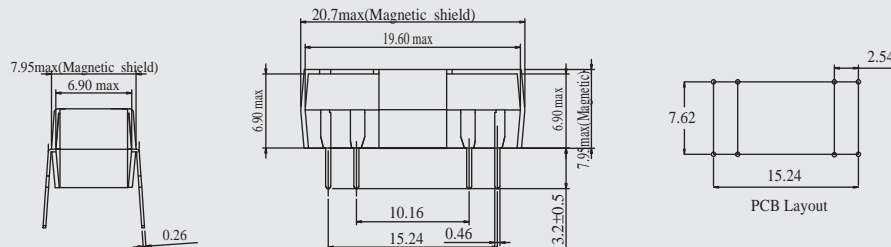
| Contact Form | 1 Form A 2 Form A | 1 Form B | 1 Form C |
|------------------------|----------------------|----------|-------------------|
| Max. Switching Power | 10w | | 3w |
| Max. Switching Voltage | 100VDC or Peak AC | | 100VDC or Peak AC |
| Max. Switching Current | 0.5A | | 0.2A |
| Max. Carry Current | 1A | | 0.5A |

Specification

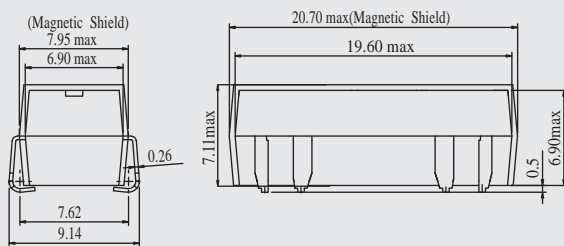
| | | | |
|------------------------------------|--|--|-----------------------------------|
| Contact Resistance | Max.150m ohm | | Max.150m ohm |
| Operate Time (Incl.bounce) | 1.0ms | | 1.5ms |
| Release Time | 0.5ms | | 2.0ms |
| Insulation Resistance | 10 ⁹ ohm | | |
| Dielectric Strength | Between Open Contacts 200VDC | | |
| | Between Coil to Contacts 1500VDC | | |
| Capacitance(Between Open Contacts) | 0.5pF | | 1.0pF |
| Vibration | 20G (10-2KHz) | | 10G (10-2KHz) |
| Shock Resistance | 30G (11ms, 1/2sin Wave) | | 30G (11ms, 1/2sin Wave) |
| Operating Temperature | -20°C ~+85°C | | -20°C ~+85°C |
| Life Expectancy of Electrical | 5X10 ⁷ ops (10VDC, 10mA) | 5X10 ⁶ ops (5VDC, 100mA) | 1X10 ⁷ ops (5VDC, 1mA) |

Dimensions (Unit : mm)

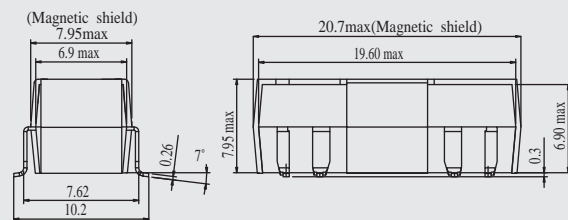
Standard Type



SMD J Model



SMD G Model



Wiring Diagrams (Top View)

