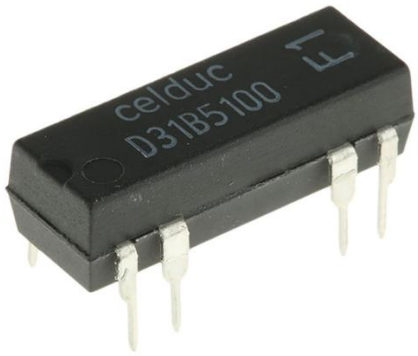
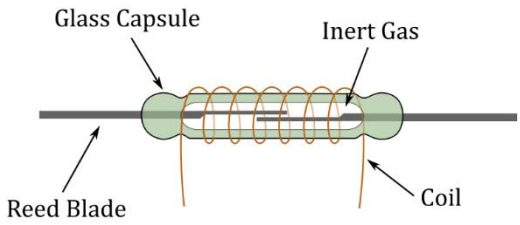
REED RELAY

What is this ?





This is a REED RELAY.

What is a Reed Relay?

A reed relay is a type of electromechanical switch. It consists of a reed switch (a pair of ferromagnetic contacts sealed in a small glass tube) and a coil of wire wrapped around it.

- **The Reed Switch:** The contacts are typically made of a noble metal like rhodium. When a magnetic field is applied, the reeds are attracted to each other, making an electrical connection.
- **The Coil:** When current flows through the coil, it generates a magnetic field. This magnetic field is what activates the reed switch inside the glass tube.

Key Specifications :

Based on its datasheet and product information, they similar characteristics to the ones listed here:

- **Type:** PCB Mount Reed Relay
- **Coil Voltage:** 12V DC (or 5VDC or 24VDC or others)
- **Contact Configuration:** SP-NC (Single-Pole, Normally Closed). This means the switch contacts are closed (connected) by default and open when the coil is energized. (Or other configurations)
- **Maximum Switching Voltage:** 100V DC
- **Maximum Switching Power:** 10 W (DC) or 10 VA (AC)
- **Operating Time:** Very fast, typically around 1 millisecond.
- **Package:** It is housed in a Dual In-line Package (DIP)

In summary, they are reliable, high-speed and used for switching low-power or low voltage signals in applications where a long lifespan and fast, bounce-free (or minimal bounce) operation is required. Its DIP package makes it ideal for direct integration onto circuit boards.