

# Chapter-7

## (FUSE)

### Lecture-1

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- **Definition of Fuse:**

- A fuse commonly consists of a current-conducting strip or wire of easily fusible metal that melts, and thus interrupts the circuit of which it is a part, whenever that circuit is made to carry a current larger than that for which it is intended. The screw-plug fuse was once commonly used in domestic electrical systems.

# Types of Fuse:

- DC Fuses.
- AC Fuses.
- Cartridge Fuses.
- D – Type Cartridge Fuse.
- HRC (High Rupturing Capacity) Fuse or Link Type Cartridge Fuse.
- High Voltage Fuses.
- Automotive, Blade Type & Bolted Type Fuses.
- SMD Fuses (Surface Mount Fuse), Chip , Radial, and Lead Fuses.



**Cartridge Fuse**



**Rewireable Fuse**



**Switch Fuse**



**Drop Out Fuse**



**MOV Fuse**

## **DIFFERENT TYPES OF FUSES**



**Resettable/POLYFUSE**



**Automotive Fuse**



**Expulsion Fuse**