Electrical Engg. # yR CMORNING

Power diode: - These diodes are used at his power means at high voltage and high current carrying capacity is uple current. Its current carrying capacity is uple 800 A and its voltage rating upto 2500v

Types of Power diode:

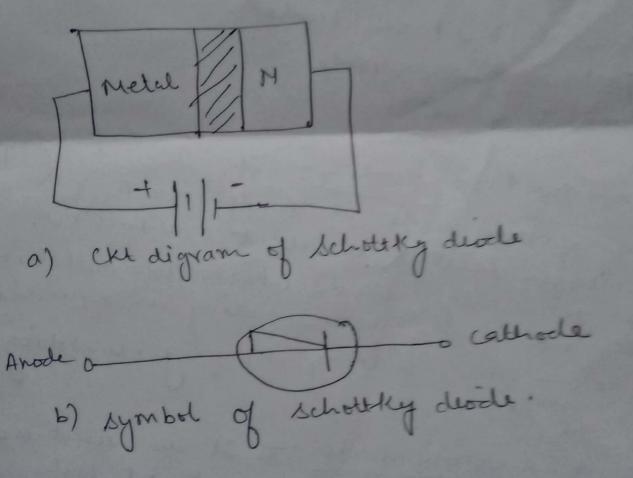
The power divide can be divided unto three categories:-

- 1) General purpose diode
- 2) Fast recovery diode
- 3) Schottky diode.

General Pur pose diode: - The current corrying capacity of this diode is 1A to 1000 A and its voltage noting is about 500 to 5 kU. It is semiscally all the semiscally the semiscally of It is generally tused where low suitching speed and high power nating is required such as: - UPS, Bottery charging, welding

2) Fast Recovery docte: - It is used in Switching devices which work at high frequency such as chopper, commutation etc, SMPS, unduction heating etc.

is a metal (Gold, silver, naturum etc) at one side and N type suns conductor at other side. The switching speed we about 200 MHZ because its newsce necovery time is in (Mesc) necessary time is in (Mesc) and low power nectifiers.



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