PART-1

FORMORD

FORM

Graph: Full Characteristics of Zemen diode with reverse breakdown voltage of 12V.

2. Differences between normal diode and Tener diode.

Normal diode

- 1. It allows current in only one direction.
- 3. It gets damaged in reverse biased.
- B. It's doping intensity is low.
 - 1. It is used in rectifiers, clippurs, clampers etc.

2011 Zener Diode

RB(I)

- 1. It can conduct in both forward and revense biased.
- 2. It can properate without getting damaged.
- 3. It has high doping internity to achieve sharp breakdown.
- 9. It is mostly used in voltage regulation.

3. Applications of the zener diode are

- @ used to shift voltage.
- Dused as voltage regulator.
- @ used to protect from over voltage or surge supresson.
- @ used in dipping aircuits.







