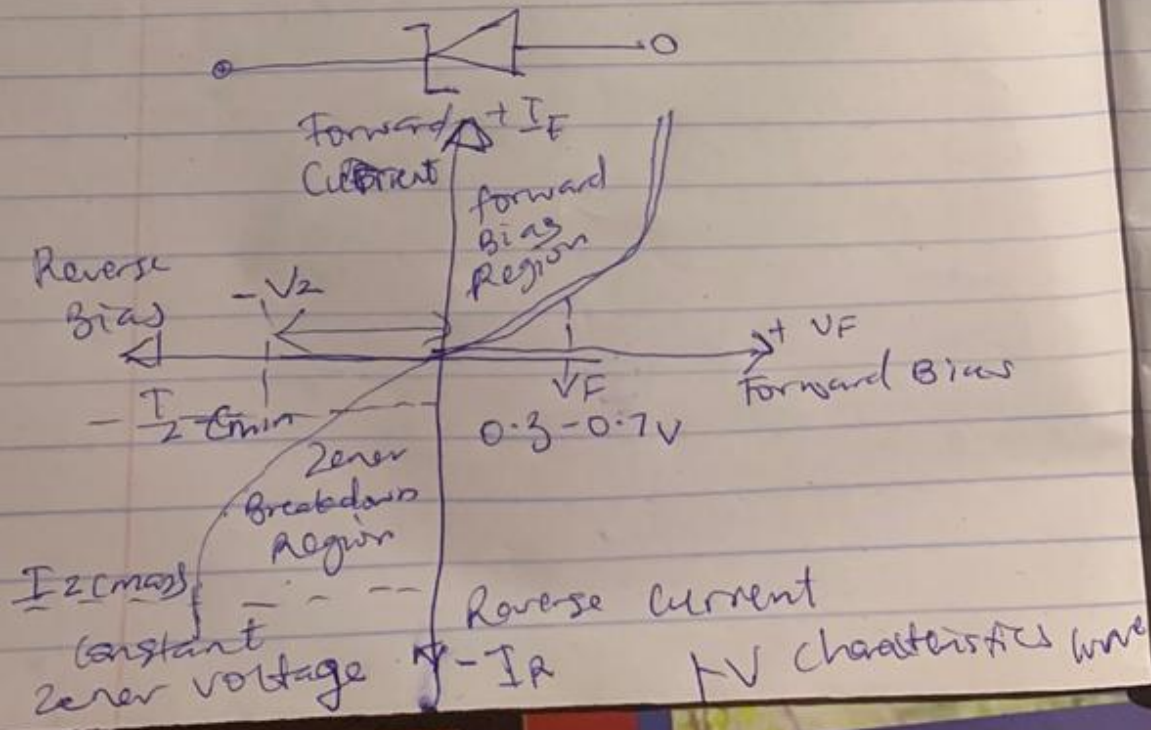


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 Basic Electricity

1) Zener diode is a type of diode that allows current to flow in the conventional manner, from its anode to its cathode. It is a diode similar to the standard PN junction diode but they are specially designed to have low and specified reverse breakdown voltage.







$$I_L = \frac{V_L}{R_L} = \frac{10}{500} = 0.02 \text{ A}$$

$$= 20 \text{ mA}$$

$$I_2 = 500 - 20 \text{ mA} = 480 \text{ mA}$$

7000

4,000