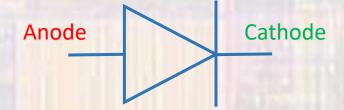
Last updated 1/20/25

- Light Emitting Diode
 - Light is emitted from special diodes when they are sufficiently forward biased
 - No light is emitted if the forward bias (voltage) is below the diode turn on voltage
 - No light is emitted if the diode is reverse biased
 - Typical LED "turn on" voltage is 1.6v 2.4v

Light Emitting Diode

Schematic symbol



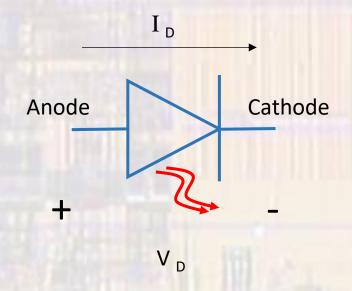
Physical construction

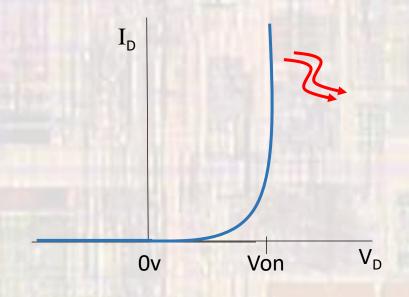
Anode Cathode

EE 1910 C tj

Light Emitting Diode

Operation





It requires a lot of current to have V_D greater than Von