See below for my application circuit.

Rectifier Circuit.

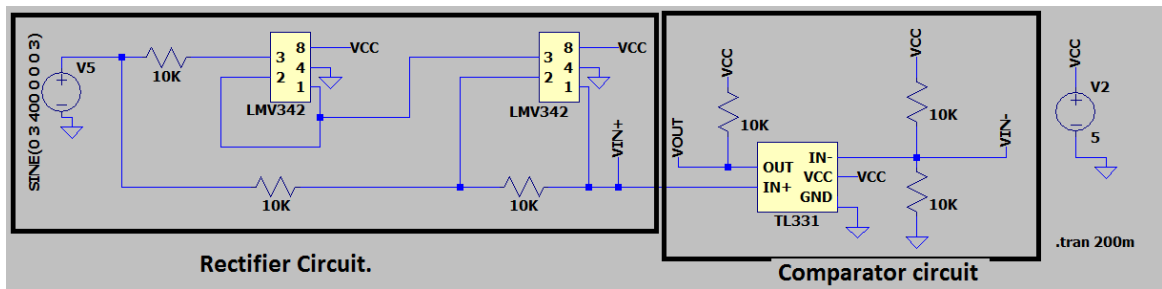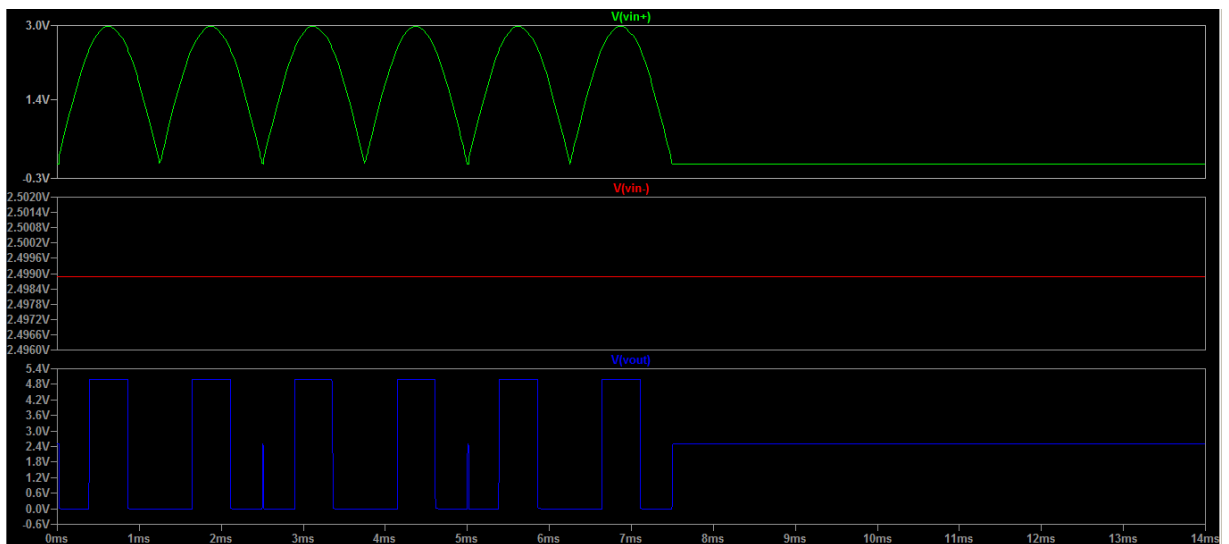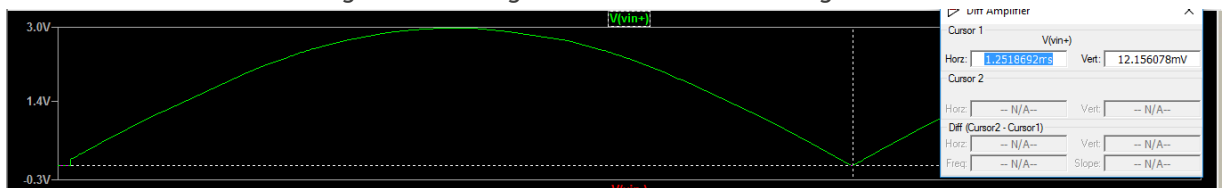**Comparator circuit**

Comparator circuit input to Vin+ pin is given from rectifier circuit whose output is always positive. Reference voltage of 2.5V is given to Vin- pin.

See below for the waveform captured at Vin+ (From rectifier circuit), Vin- (Reference 2.5V DC) and Vout

Zoomed wave form of Vin+ signal with voltage measurement. The voltage measured is 12.15mV.

Vin+ voltage measured where the glich is happeing.It is 486.69uV which a non negative value.

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