

# Electron Collection and Emission Using a Flyback Transformer

Greetings,

I've designed a high-voltage generator which uses a flyback transformer as the output stage. Flyback transformer circuit diagram is shown in Fig. 1. And I like to share some of my findings with you.

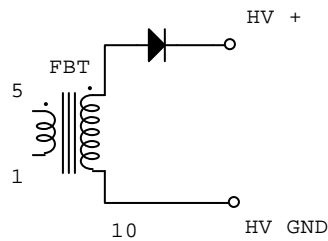


Fig. 1. Flyback transformer. The diode is internal.

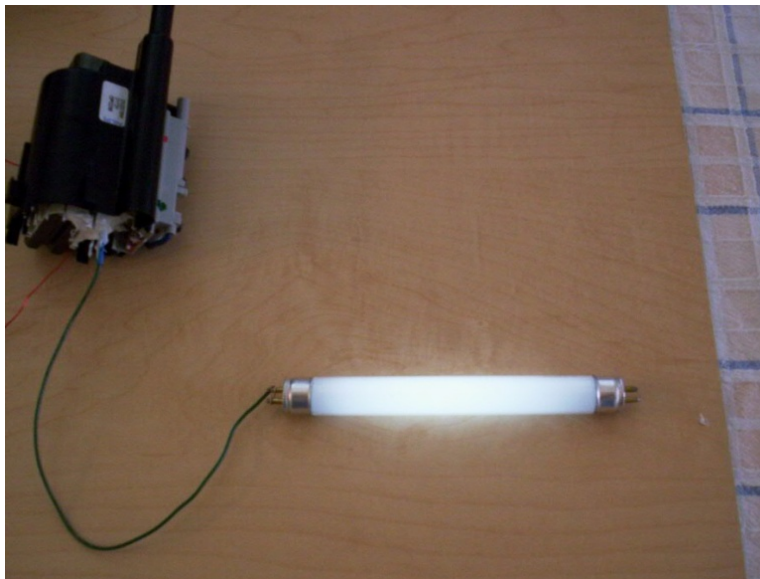


Fig. 2. When a fluorescent tube is connected to the negative terminal, it lits brighter.

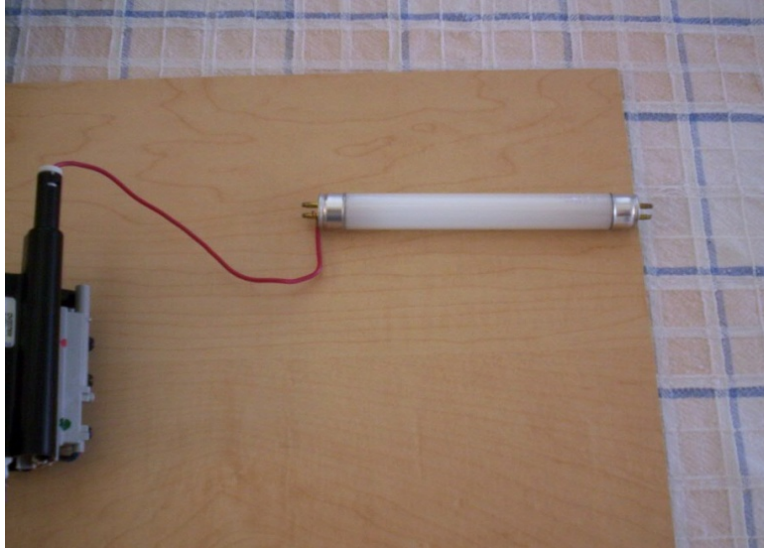


Fig. 3. When it's connected to the positive terminal, it's dimmer.

Why is that so?

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