

Re: Function of component in flash tube trigger circuit?

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Source: <http://sci.tech--archive.net/Archive/sci.electronics.repair/2008-04/msg01517.html>

- *From:* Sam Goldwasser <sam@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* 28 Apr 2008 08:40:28 -0400
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"Rheilly Phoull" <rheilly@xxxxxxxxxxxxxxxxxx> writes:

"N_Cook" <diverse@xxxxxxxxxx> wrote in message
[news:fv49ki\\$qlj\\$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:fv49kiqlj1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

<http://home.graffiti.net/diverse:graffiti.net/sf2.jpg>

No markings, a black potted box 7x7x 15mm external dimensions.
If a stepup transformer , why so small?

0.3 ohms between blue and red lead and 144 ohms between blue and brown
lead which goes directly to the trigger filament around the flash tube.
Red goes to ground and blue wire goes via 0.2uF, 250V capacitor to the SCR
cathode. 22mH and 20uH inductance

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Diverse Devices, Southampton, England
electronic hints and repair briefs , schematics/manuals list on
<http://home.graffiti.net/diverse:graffiti.net/>

If you dont like small put it in a larger box, manufacturers are not known
for extragance and they tend to use the minium specs components.
Perhaps you may like to reword the question ?

It is definitely the trigger transformer. Typically a few primary turns,
a few hundred secondary turns, takes 150 V from a capacitor discharged
through the shutter contacts or an SCR, and produces 10kv or more to
the trigger wire or reflector of the flashlamp. But essentially no current.

--- sam | Sci.Electronics.Repair FAQ: <http://www.repairfaq.org/>
Repair | Main Table of Contents: <http://www.repairfaq.org/REPAIR/>
+Lasers | Sam's Laser FAQ: <http://www.repairfaq.org/sam/lasersam.htm>
| Mirror Sites: http://www.repairfaq.org/REPAIR/F_mirror.html

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ignored unless my full name AND either lasers or electronics is included in the
subject line. Or, you can contact me via the Feedback Form in the FAQs.

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