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- *From:* Spehro Pefhany <speffSNIP@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
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On Wed, 05 Dec 2007 16:48:10 -0500, Mike <nomtrxspam@xxxxxxxxxxxx> wrote:

I believe there is a mistake with your measurement. In the common cameras, the flash current is at the order of 100A and the duration is ~tens of milliseconds. They handle it with IGBT of SOT-223 form factor.

However there are the special pulse tubes for use with lasers, etc. They have higher rate of the current increase and the shorter flash duration.

Vladimir Vassilevsky
DSP and Mixed Signal Design Consultant
<http://www.abvolt.com>

That was my first reaction also since I expected to see something less than 400A, but I can't find any reason for such a major error. I have a 200mv 200A shunt in series with the tube and am simply grabbing the voltage waveform across the shunt with an HP 54502A storage scope. So with 1mv/A and reading 1.9v peak that's 1900A. I connected the 1V scope calibrator output from an analog scope to 54502s input and it reads right on amplitude and time.

Mike
If there is no absolute truth then nothing can be known.

Well, if that's what the 'scope shows, it's *got* to be true.

Best regards,
Spehro Pefhany

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"it's the network..." "The Journey is the reward"

speff@xxxxxxxxxxxxx Info for manufacturers: <http://www.trexon.com>

Embedded software/hardware/analog Info for designers: <http://www.speff.com>

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