

Re: Random timer!

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- *From:* Jasen <jasen@xxxxxxxxxxxx>
 - *Date:* 4 Jun 2007 03:35:51 GMT
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On 2007-06-03, Baron <baron.nospam@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

```
500K slow rate
\
^
.-\^--+-----+---- +5V
//|. . .|. . .
\|. VCC(8).
/ 1.2M|. .
\--RES(4) OUT(3)----->
|. LM555.
go-fast ----\^-->|+-----+---TH(6) DISmmm(7)-----.
10K 1N914|. .|
+--TR(2) CV(5)--|
|. .|
|. GND(1).|
|. . .|. . .|
|||
+-----|-----\^-'
|| 33
=====|
10uF||
--+-----+--- 0V
```

Can you confirm the resistor value between pin 2 and 7 please !
I read it as 33 Ohms ?

that's right the LM555 has a maximum current into the discharge pin
of 200mA, (and the CMOS version TLC555 or 7555 only 100ma)

33ohms is enough to keep the peak discharge current to a
sensible value with a 5V supply the capacitor will charge to 3.33V
so the peak discharge current will be about 100mA

Bye.
Jasen

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