

Re: Fuseable resistor value.

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*Source:* <http://sci.tech--archive.net/Archive/sci.electronics.repair/2007-09/msg01186.html>

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- *From:* "N Cook" <[diverse8@xxxxxxxx](mailto:diverse8@xxxxxxxx)>
  - *Date:* Fri, 28 Sep 2007 23:21:10 +0100
- 

N Cook <[diverse8@xxxxxxxx](mailto:diverse8@xxxxxxxx)> wrote in message  
[news:fdjuh0\\$mcq\\$1@xxxxxxxxxxxxxxxxxxxx](mailto:news:fdjuh0$mcq$1@xxxxxxxxxxxxxxxxxxxx)

Smitty Two <[prestwhich@xxxxxxxx](mailto:prestwhich@xxxxxxxx)> wrote in message  
[news:prestwhich-DC814B.13315828092007@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:prestwhich-DC814B.13315828092007@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

In article <[fdjhqi\\$5e4\\$1@xxxxxxxx](mailto:fdjhqi$5e4$1@xxxxxxxx)>,  
"N Cook" <[diverse8@xxxxxxxx](mailto:diverse8@xxxxxxxx)> wrote:

Smitty Two <[prestwhich@xxxxxxxx](mailto:prestwhich@xxxxxxxx)> wrote in  
message  
[news:prestwhich-29076A.11162928092007@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:prestwhich-29076A.11162928092007@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

In article  
<[fdjelk\\$mvf\\$1@xxxxxxxx](mailto:fdjelk$mvf$1@xxxxxxxx)>,  
"N Cook" <[diverse8@xxxxxxxx](mailto:diverse8@xxxxxxxx)> wrote:

Dave  
<[dspear99ca@xxxxxxxx](mailto:dspear99ca@xxxxxxxx)>  
wrote in message  
[news:CWaLi.28398\\$nO3.26820@xxxxxxxx](mailto:news:CWaLi.28398$nO3.26820@xxxxxxxx)

"N Cook"  
<[diverse8@xxxxxxxx](mailto:diverse8@xxxxxxxx)>  
wrote in  
message  
[news:fdj8gv\\$13\\$1@xxxxxxxx](mailto:news:fdj8gv$13$1@xxxxxxxx)

<[wattersmt@xxxxxxxx](mailto:wattersmt@xxxxxxxx)>  
wrote  
in  
message

Re: Fuseable resistor value.

marked  
bands  
of  
red,yellow,yellow,gold,  
silver.

the  
third  
yellow  
band  
implies

Read your  
post. red,  
yellow,yellow,gold,  
silver. What  
third

yellow

band?

If you're  
talking  
about the  
gold, that'd  
be the  
multiplier  
on a

5-band

resistor, or  
10E-1.  
Silver is  
tolerance.

I read it as  
24.4 at 10%  
tolerance,  
so  
21.96-26.84.

Dave S.

Re: Fuseable resistor value.

alright correction , putting in  
an apostrophe or two  
for  
the third yellow band  
read  
the third, yellow band,

it still does not explain the  
tolerance illogicality  
Why and how would anyone  
stock a 3/5 band range of  
resistors which

are

only

10 percent tolerance?

--

We call those commas, not apostrophes, in  
the U.S., but I understood  
your phrasing the first time. I agree that a  
precision resistor with

a

10% tolerance makes no sense. I'd make it  
240K. Fifth band is

sometimes

used for reliability (i.e. MTBF) AIUI.

But why a 2W 240K resistor in something that is unlikely  
ever to have

more

than 350V across it.  
I've not taken apart yet so it may well never see any high  
voltages.

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Well, that's a half of a watt. Slightly over-engineered but not inexplicable. You sure aren't going to put 350 volts on a 24.4 ohm resistor. And there's no such thing as a four band resistor with 10% tolerance. My supposition stands.

I've not removed the security screws yet, just the top cover so don't know what its functional area is yet.

I looked around all the 5 band resistors that I have laying about , all

1/2

or 1/3W , not 2W, but they are all brown , 1percent, tolerance band which

is

logical but silver 10 percent makes no sense at all.

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

and all those 5 band 1/2 and 1/3W resistors , perhaps 20 different values and from different sources have the wide gap between bands 4 and 5 , not between 1 and 2

.

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