

Re: "Normal" crystal amplitude

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From: colin (no.spam.for.me_at_ntlworld.com)

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"Rich Grise" <null@example.net> wrote in message
news:MS6Lc.9092\$Iz3.620@nwrddc01.gnilink.net...

> *Tim Wescott wrote:*

>

> > *colin wrote:*

> >

> > > *its all a trade off, you need a certain amount of drive in order for it*

> > > *to start up properly etc, but too much drive and it will eventually
damage*

> ...

> > > *"Richard" <rh86@no.spam> wrote in message*

> > > *news:40FB7338.3FBA565E@no.spam...*

> > >

> > > > *Should the sine wave from a crystal normally swing the full range from
0*

> > > > *to Vcc? (i.e., 3.3V p-p for a 3.3V supply)*

>

> > *When I want to get an idea of the amplitudes in an oscillator I'll make*

> > *a 11:1 capacitive divider (C in series with 10C) for the scope probe.*

> > *This keeps the scope from messing up the amplitudes in the circuit (or
> > stopping the oscillator altogether).*

> >

> > *I don't know if it's the right way, but it works well for me.*

> >

>

> *It's probably pretty close, since that's the way 10X scope probes*

> *work. :-)*

> --

> *Cheers!*

> *Rich*

>

yes i was thinking that, maybe he use that with a x10 probe? i also have a
x100 probe but i dont often think of using it. i also hook one chanel on the
output and see how much it changes when i hook onto the input too, gives me
some idea of how much ive affected the input.

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a current probe isn't too difficult to make either but most of my projects aren't commercial so I don't care too much about long term crystal damage just whack them as much as necessary.

Colin =^.^=