

Re: Silicon doping

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Asad wrote:

HI,

How can I perform doping of silicon manually?

Well, you need a cleanroom of the class appropriate to the size of your structures. If you stick with 2N3055 size, that should be doable. Then a ultra high vacuum chamber with handlers.

It is less a the problem of a thight box than of the gear inside. Since it shouldn't gaz out, the materials have to be carefully selected. Then you'd need a source of ultrapure silicon and a way to handle, saw, etch, [whatever] it.

I guess the dopants could be added in the etching chamber that runs with Ar-Ions.

Our local University, the biggest around here, aspiring to belong to the top league decided against Silicon, but for GaAs to keep the cost limited. I once heard a number, but forgot it.

Rene

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& commercial newsgroups - <http://www.talkto.net>

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