Offer for realization of silicon parts according to e-mailed documents (fly eyes V grooves)

Stages:

• Supplying of silicon double side polished wafers 3" (sorting of thickness and ATV Total Thickness Variation by wafer ATV may, 4 um)
• Realization of chromium-glass mask
• Oxidation
• Photolithography
• Wet etching
• Dicing of parts with dimensions (5 mm x 5.2 mm) changed

Volume estimation: 100 parts per 3" wafer

Offer for 2 wafers (around 200 parts) : 3760.0 € HT (Included shipping & postage)

Delivery time : to = order reception + 4 to 8 weeks (from week 36 (return) and according to time eventually required for silicon wafers)

Validity: 3 months
Customs are not included

At your service for any information.
Fly-Eyes V grooves assembly

The assembly should have 8 lines of 9 fibers each along the following drawing.
The pitch along the lines shall be 0.550 ± 0.0005 mm.
The pitch along the column when assembled 0.360 ± 0.0005 mm.
The remaining distance between the bottom of the V and the base of the substrate is calculated in order
to obtain the right pitch along the column considering the diameter of the fiber and the angle of
the V groove. If the material is silicon, that shall be adapted to meet the pitch specification if different material or technology are used. The thickness of the substrate is not specified, the only constraints is to meet the specification for the pitch. It is important for us to know what is available in term of accuracy for the pitches in both directions.
We don't have specific request in term of material. I've supposed silicon as I know this material may
be used for such device, some ceramics are probably OK.

The constrains are: functioning temperature -80°C under vacuum (not outgasing material). The overall dimensions should be 500x5.00 mm.