Fly-Eyes V grooves “As Build”
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 thickness of the wafers used was 0.345 ± 0.002 mm.
The distance between the center of the first (or the last) fiber and the extremity of the substrate is 0.30 mm.
The final dimensions are 5.00 x 5.00 mm².

The remaining distance between two successive substrates should be 0.015 mm.

The material of the substrate is silicon.

All these data are from the manufacturer we don’t do to any measurements.