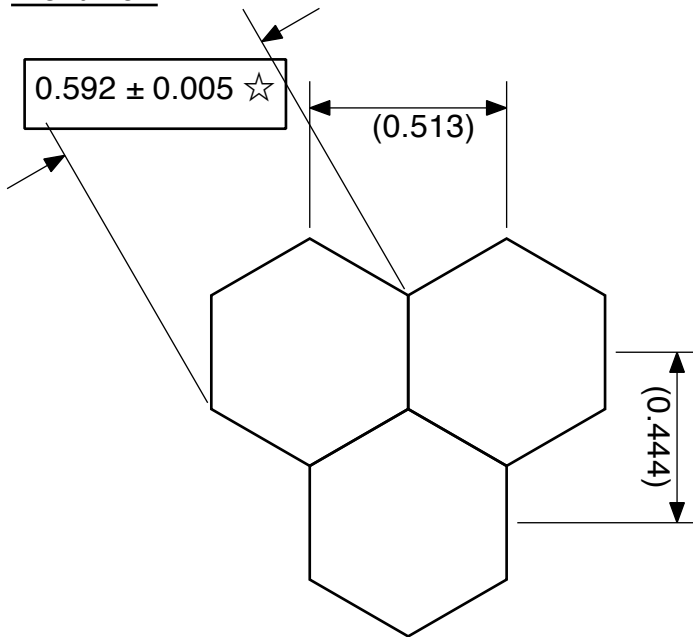
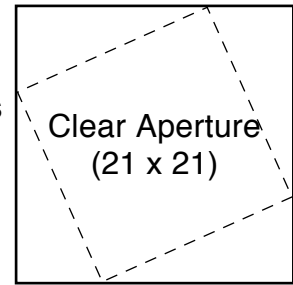


Front view

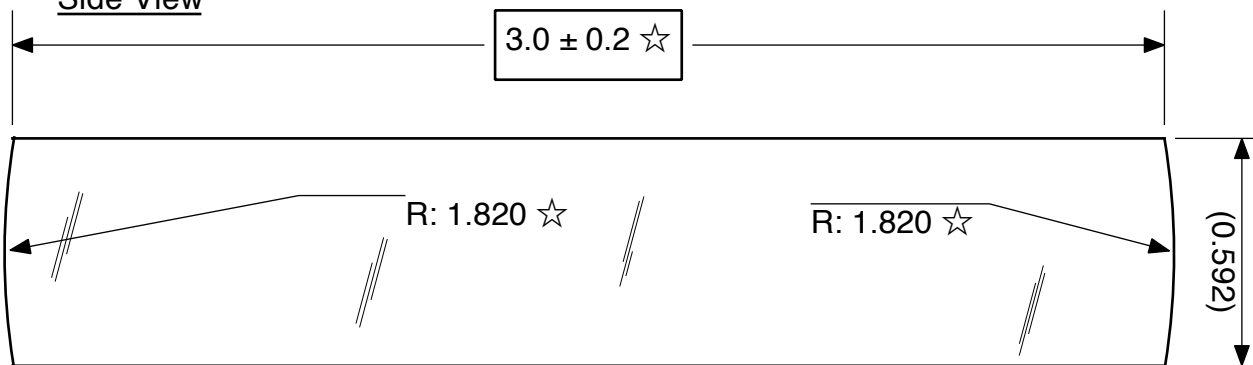


69 lenslets
(30.6)



60 lenslets
(30.8)

Side View



For reference:
Surface Sag 24μ
Focal length: 2.66

SED Machine Lenslet Array (run 57r, rotated 20.919 degree)

Nick Konidakis (npk@caltech.edu) +1 831 704 6425

2 Jan 2012

All units mm unless specified.

Fused silica (FS) hexagonal lenslet array. FS annealed so that:

index of refraction homogeneity $< 5 \times 10^{-6}$

stress birefringence $< 10 \text{ nm/cm}$

AR Coat both sides for 370 nm - 920 nm with angle of incidence ± 7 degree

Notes

- Inspection report required on ☆ dimensions.
- Mean ROC should be within 0.1% of spec.
- 70% of lenslets will have ROCs within 0.1% of each other
- Optical axis better than 2 arcminute to array normal.
- Please predict fill factor.
- Please suggest a rigid and safe mount option for the array.