

SALT-3120AS0007 version 1.0 (18 Nov 2002)

VPH Grating substrates:

Quant	Material	Size (mm)	Clear Aperture (mm)
3	Fused Silica	200 x 175 x 10	180 x 155
3	Fused Silica	230 x 175 x 10	210 x 155
9	Fused Silica	250 x 175 x 10	237 x 155

Dimensional tolerances: + 0.0mm / - 0.2 mm (sizes indicated above are maximum)

Material specifications:

Stress Birefringence: <2 nm/cm

Acceptable materials:

- Corning HPFS 7980 Grade 2F
- \* Hereaus Suprasil 2
- \* Dynasil Grade 4005
- \* Schott Lithosil Q1 (H2)

\*annealing may be required to meet stress birefringence spec.

Front/Back Parallelism: better than 2 arcmin  
Surface Figure @633nm: 1/4 wave RMS over 4 inches  
Surface Finish: better than 20 Angstrom RMS  
Scratch/Dig: 40-30 or better

Polished both sides.  
Edges fine ground.  
Bevel 1-2 mm.

Coating: None - we will be responsible for coating.