

# Substrates

Company: Coastline Optics, Inc.

## 25.4mm Ø, Plano/Plano Fused Silica Substrates

- Dimensions
  - Diameter: 25.4mm +0.0/-0.1 mm
  - Thickness: 6.35mm +/-0.2mm
- Configuration: Plano/Plano
- Side 1, central 5mm Ø area:
  - Surface Quality: < 10-5 - Scratch-Dig - per Mil- PRF-13830B.
  - Surface Roughness: < 1Angstrom. RMS asmeasured onour Zygo5500optical profiler.
  - Surface Figure: < 0.10wave P-V @ 633nm.
- Side 1, annular area between 18.5mm Ø and 25.4mm Ø:
  - Surface Quality: < 20-10 scratch dig, suitable for optical contact.
  - Surface Figure: < 0.25wave P-V @ 633nm
- Side 2, central 80% area:
  - Surface quality: 20-10scratch-dig
  - Surface figure: <0.10wave P-V @ 633nm
- Bevels: 0.020"- 0.040" x 45degree facewidthnominal
- Wedge: 10arc minutes
- Material: Corning 79800A Fused Silica
- We bought 4.

## 25.4mm Ø, 1´Meter Concave ROC/Plano Fused Silica Substrates

- Same as "25.4mm Ø, Plano/Plano Fused Silica Substrates"
- Configuration: Concave/Plano
- Side 1: -100cm+/-1cm concave ROC
- Material: Corning 79800A Fused Silica
- We bought 4.

## IBS AR coating

- IBS AR coat Side 2 of the above Item1and2substrates for  $R < 0.10\%$  @ 1550nm

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