

ストック光学部品リスト

Plano / Plano Substrates

Product Part Numbers:

<u>Part #</u>	<u>Material</u>	<u>Size</u>	<u>Thickness</u>
GO-FS050-1	Fused Silica	0.500 inch	0.200 inch
GO-FS100-1	Fused Silica	1.000 inch	0.250 inch
GO-FS150-1	Fused Silica	1.500 inch	0.375 inch
GO-FS200-1	Fused Silica	2.000 inch	0.375 inch
GO-Z100-1	Zerodur	1.000 inch	0.250 inch
GO-Z200-1	Zerodur	2.000 inch	0.375 inch
GO-S100-1	Silicon	1.000 inch	0.250 inch
GO-S200-1	Silicon	2.000 inch	0.375 inch

Plano / Concave Substrates

Product Part Numbers:

<u>Part #</u>	<u>Material</u>	<u>Size</u>	<u>Thickness</u>	<u>RADII</u>
GFS-0.25M-1	Fused Silica	1.000 inch	0.250 inch	0.25 Meter
GFS-0.5M-1	Fused Silica	1.000 inch	0.250 inch	0.5 Meter
GFS-1.0M-1	Fused Silica	1.000 inch	0.250 inch	1.0 Meter
GFS-2.0M-1	Fused Silica	1.000 inch	0.250 inch	2.0 Meter
GFS-4.0M-1	Fused Silica	1.000 inch	0.250 inch	4.0 Meter
GFS-10.0M-1	Fused Silica	1.000 inch	0.250 inch	10.0 Meter
GFS-20.0M-1	Fused Silica	1.000 inch	0.250 inch	20.0 Meter
GFS-0.5M2-1	Fused Silica	2.000 inch	0.250 inch	0.5 Meter
GFS-1.0M2-1	Fused Silica	2.000 inch	0.250 inch	1.0 Meter
GFS-2.0M2-1	Fused Silica	2.000 inch	0.250 inch	2.0 Meter

Specifications:

- Tolerances: All diameters are + 0.00 / - 0.005 inch
All thicknesses are +/- 0.020 inch
- Side 1: Surface roughness less than 1 angstrom RMS (A surface profiler readout for each substrate is available for an additional cost)
Surface flatness is better than $\lambda/10$ measured at 633nm
Surface quality is 10/5 per MIL -0-13830A
- Side 2: Fused silica conventional polished laser quality Plano surface.
Surface flatness is better than $\lambda/4$ measured at 633nm
Surface quality 40-20
Surface roughness in not measured
Silicon and Zerodur®: Fine ground
- Parallelism: All substrates better than 3 minutes
- Clear Aperture: Central 80%
- Marking: All substrates marked with arrow pointing to side 1

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