

1 Micron Optics by Ophir Optronics



- Best Performance
- Superior Coating
- Low Absorption
- Approved by Leading OEMs
- Best Cost-Benefit Ratio

TALAS

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Innovative solutions at competitive prices to the CO₂ and Fiber Laser industries.

People and Products You Can Rely On



Optics for 1 Micron Lasers

Fused Silica Lenses

Material	Fused Silica UV grade
Type	Spherical
Surface quality	10-5
Surface Irregularity	0.5F
Focal length tolerance	$\pm 0.5\%$
ET	$\pm 0.1\text{mm}$
Diameter Tolerance	+0/ -0.1mm
Clear Aperture	>90%
Absorption@ 1.03-1.07 micron	<50 ppm
Transmission @ 650-670nm	>80%
Reflection @ 1.03-1.07micron	<0.2%

Fused Silica Mirrors

Material	Fused Silica UV grade
Surface quality	10-5
Surface Irregularity	0.5F
ET	$\pm 0.1\text{mm}$
Diameter Tolerance	+0/ -0.1mm
Clear Aperture	>90%
Reflection @ 650-670nm	>80%
Absorption @ 1070nm	<300ppm

Ophir is a Newport Corporation brand.

Established in 1976, Ophir Optronics is a global leader in CO₂ laser optics and the world's 2nd largest OEM supplier.

We have used the experience, knowledge and technologies gained in almost 4 decades to develop superior optics for the **1 Micron Lasers**.

For more information, please visit our website **www.co2optics.com** to locate our representative near you.



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