

BEAM DELIVERY OPTICS

General Specifications

Si, Cu ATFR Mirrors

Material	Si, Cu
Surface Quality	20-10 scratch and dig
Thickness Tolerance	+0.0 / -0.2mm
Diameter Tolerance	+0.0 / -0.12mm
Mechanical Wedge	< 3' (arc minutes)
Power	1F @ 0.633 μ m
Irregularity	0.5F @ 0.633 μ m
Reflection Spol AOI 45°	\geq 90.0%
Reflection Ppol AOI 45°	\leq 1.5%
S ₁ / S ₂ Radius	Plano

Cu Telescope Mirrors

Material	Cu
Surface Quality	40-20 scratch and dig
Thickness Tolerance	+0.0 / -0.1mm
Diameter Tolerance	+0.0 / -0.1mm
Mechanical Wedge	<3' (arc minutes)
Power	2F @ 0.633 μ m
Irregularity	1F @ 0.633 μ m
Phase Shift	0° \pm 1°
Reflection	>99.5%
Absorption	<0.5%
AOI	45°

For special mirror applications or other coating types please contact your local Ophir agent - www.co2optics.com