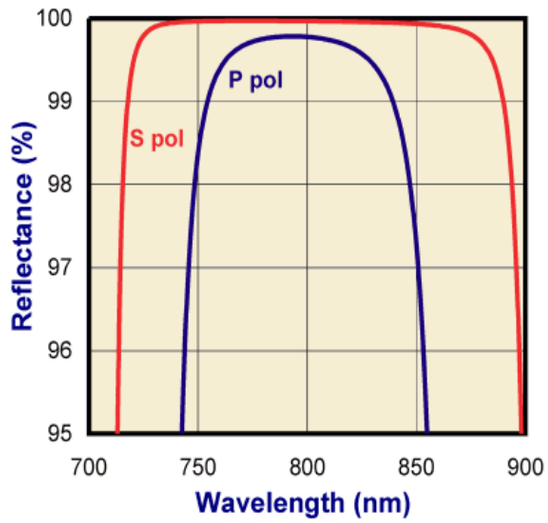
E-max - High Damage Threshold 800 nm Ultrafast Laser Mirrors for 45° Incidence

These high performance mirrors are intended to deliver very high damage resistance for general purpose beam steering tasks in Ti:S ultrafast laser based applications.

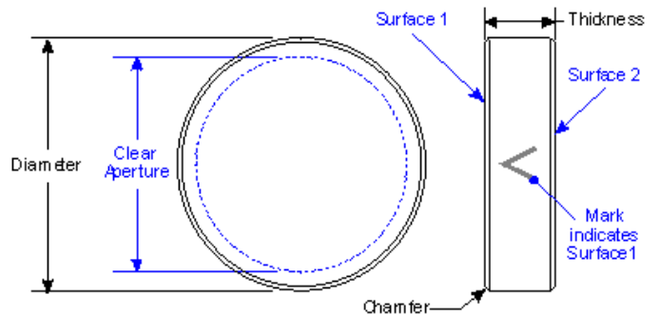
Advantages

- Superior damage resistance
- Wide spectral bandwidth
- Minimal group velocity dispersion
- High reflectivity
- Excellent mechanical durability

Common Specifications	
Chamfer	0.50 mm at 45°
Clear Aperture	85%
Diameter Tolerance	+0.00, -0.13 mm
Front Surface Flatness	λ/10 at 633 nm
Material	Fused Silica
Rear Surface	Commercial Polish
Surface Quality	10-5
Thickness Tolerance	±0.25 mm
Wedge	<5 arc minutes
Surface 1 Flatness	λ/10 at 633 nm
Surface 1 Surface Quality	10-5
Surface 1 Coating	≥99.5% reflectivity at 800 nm
Surface 1 Angle Of Incidence	45°
Surface 2 Flatness	Commercial polish
Surface 2 Surface Quality	Commercial polish
Surface 2 Coating	None



Part Number	Diameter	Thickness
MR6240	25.4	9.525
MR6280	50.8	9.525



Alpine Research Optics, 6810 Winchester Circle, Boulder, Colorado 80301
sales@arocorp.com 303-444-3420