

RedMaxR™ Mirrors

RedMaxR™ silicon mirrors offer exceptional dual band performance for both 10.6µm and red, especially important when multiple mirror reflection is required.

Applications

- High power industrial lasers
- Scanning mirrors
- Laboratories and R & D

Dual Band Highest Reflectivity

- >99.7% reflectivity at 10.6µm @ 45 deg AOI
- Red reflectivity 600–700nm >90% @ 45 deg.
- Absorption at normal incidence = 0.11%.

Zero Phase Performance

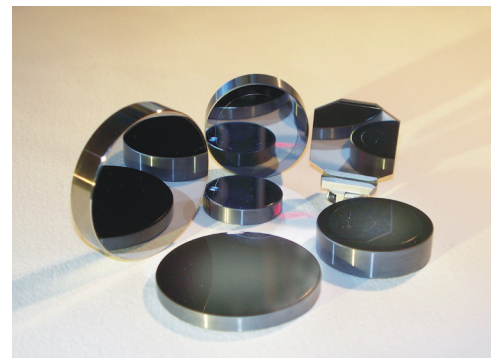
RedMaxR mirrors provide zero phase shift with a guaranteed phase shift of 0 deg. +/- 2deg.

Thorium Free

RedMaxR coatings utilises a ThF₄ free coating design.

Durability

The RedMaxR coating design produces a more durable surface than conventional technologies minimizing the surface degradation caused by cleaning.



RedMaxR™ Silicon

Specifications

Dimensional Tolerances	Diameter Thickness	+0.00 / 0.1mm +/- 0.25mm
Parallelism		ETV < 0.05mm
Surface accuracy		λ/40 @10.6µm
Scratch—Dig		10-5

Further Information

For more information and a full list of our Silicon and copper mirrors please contact us.