

METAL COATED MIRROR

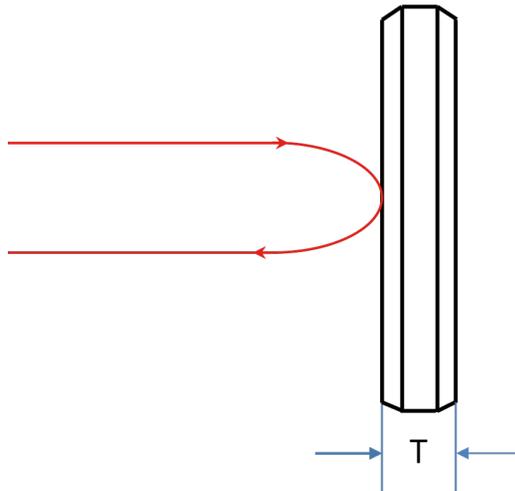
A mirror is an object with a surface that has good specular reflection and is smooth enough to form an image. Coherent provides many types of mirrors, including plane mirrors (meaning the surface is flat) and curved mirrors (meaning the surface is curved, producing magnified or de-magnified images, focusing light, or distorting the reflected image). Metal coatings can include gold, silver, or aluminum. Coherent produces metal-coated mirrors that offer a good combination of performance and value for general-purpose applications. They operate over a very broad spectral range from UV to visible, and visible to near- and mid-IR. They are relatively insensitive to angle of incidence and polarization.



APPLICATIONS

- WSS
- Optical passive components
- Optical measurement systems
- Tunable lasers

Dimensions



T is thickness.

Common Specification

Material	N-Bk7 grade A optical glass or Other optics glass
Dimension	smallest to 1 x 1 x 1 mm & largest to 6"
Thickness Tolerance	+/-0.05 mm
Flatness typical	$\lambda/4@632.8$ nm, up to $\lambda/10@632.8$ nm
Surface Quality	(scratch/dig) better than 20-10
Parallelism	<1 arc minute
Coating	R Au HR coated >99 %@S, C or L band

Other sizes, wedged angles, diameters and coatings are also available upon request.