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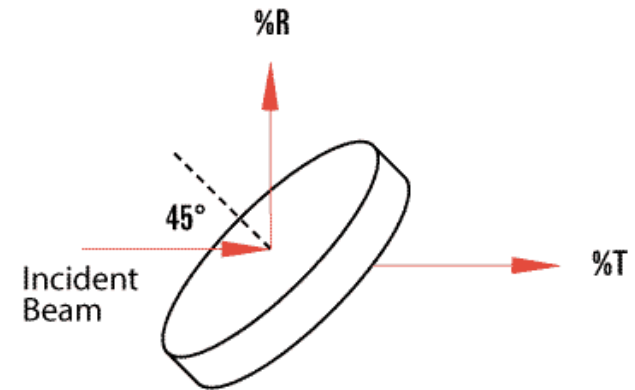
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Partial Reflectors » Plate Beamsplitters

Plate Beamsplitters divide an incident, monochromatic beam into reflected and transmitted components with the specified intensity ratio.

The plate is coated on one side with a polarization sensitive, partial reflection coating, and on the reverse side with a high efficiency, narrowband, anti-reflection coating.



RMI Standard Specifications

Materials:	BK7, UVFS, FS, ZnSe, Ge, Chalcogenide glass
Angle of Incidence:	45°
Surface Figure:	Both Surfaces
BK7, UVFS, FS:	$\lambda/20$ at 632 nm
ZnSe, Ge, Chalcogenide glass:	$\lambda/40$ at 10.6 μm
Surface Quality:	Both Surfaces
BK7 UVFS FS:	10-5

BK7, UVFS, F2.

10-5

ZnSe, Ge, Chalcogenide glass:

40-20

Diameter Tolerance:

+ 0.000", - 0.010"

Thickness Tolerance:

± 0.010"

Wedge:

≤ 3 arc minutes

Bevels:

0.010" - 0.030" at 45°

Clear Aperture:

Central 85% of diameter

Reflectance:

R < 90% ± 3%

R = 90% - 95% ± 2%

R = 96% - 98% ± 1%

R > 98% ± 0.5%

Anti-Reflection Coating:

Unpolarized:

R ≤ 0.5% at 45°

[More Partial Reflectors](#)[Request Quote](#)

+1.303.664.5000

866.678.4270

Sales@RMICO.com

The cornerstone of the RMI service philosophy is a collaborative approach with our customers to solve even the most technically challenging requirements. Working with clients in the early stages of development, we transition prototype concepts to efficient and manufacturable solutions.



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