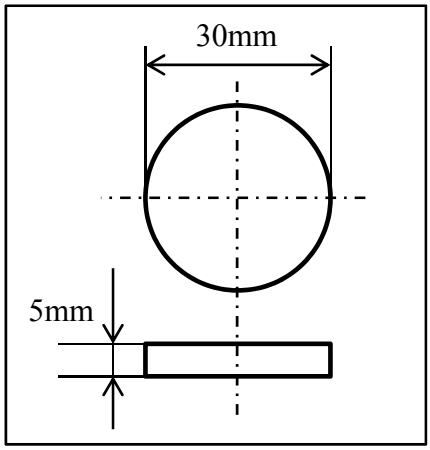
Narrowband Dielectric Multilayer Mirror

This Narrowband dielectric multilayer mirror has two types of oxide dielectric alternate multilayer films with different refractive indices that were vapor deposited on a flat substrate using ion-assisted film-forming technology.
This product is easy to handle due to a high reflectivity of 99% and above in comparison to metal mirrors, and an equivalent mirror surface solidity to glass.

Features

- High reflectivity of 99 % at specific single wavelength
- Capability to use an incident angle range of 0-45 degrees
- High reflectance from both P and S polarized lights
- Almost no deterioration due to aging
- Capability to be used under high temperature and high humidity
- High CW laser proof stress due to almost no absorption loss in comparison to metal mirrors

Size

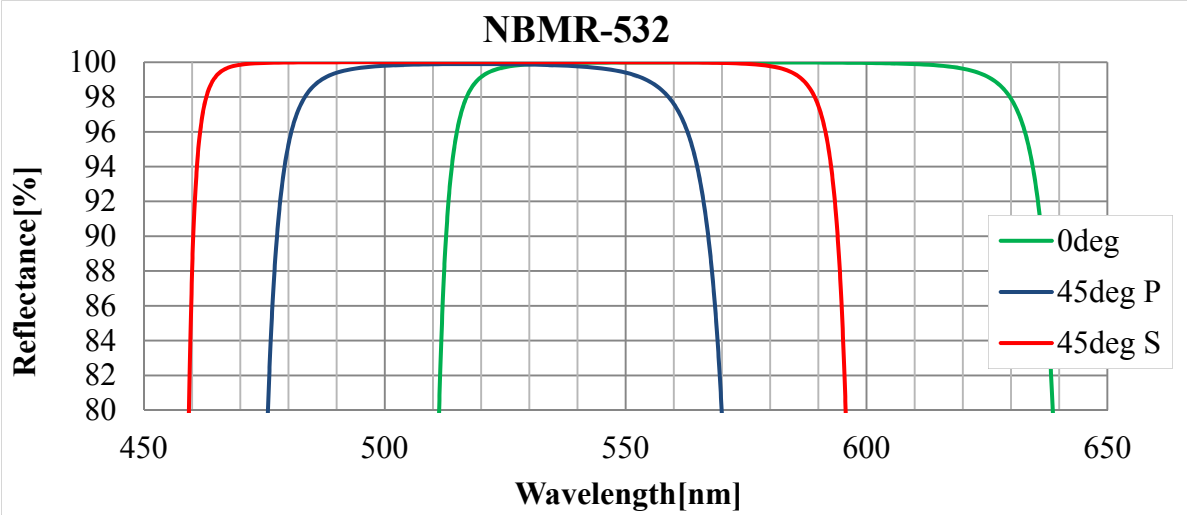


Typical Specifications

Model	NBMR
Wavelength Range	532±5 nm or 1064±5 nm
Reflectance	≥ 99 %
Incidence Angle	0-45 degrees
Size	φ30 x 5^t mm
Substrate	Quartz
Substrate Surface Precision	λ/10 @ 632.8 nm
Parallelism	Within 3 minutes
Effective Diameter	80% of the actual diameter

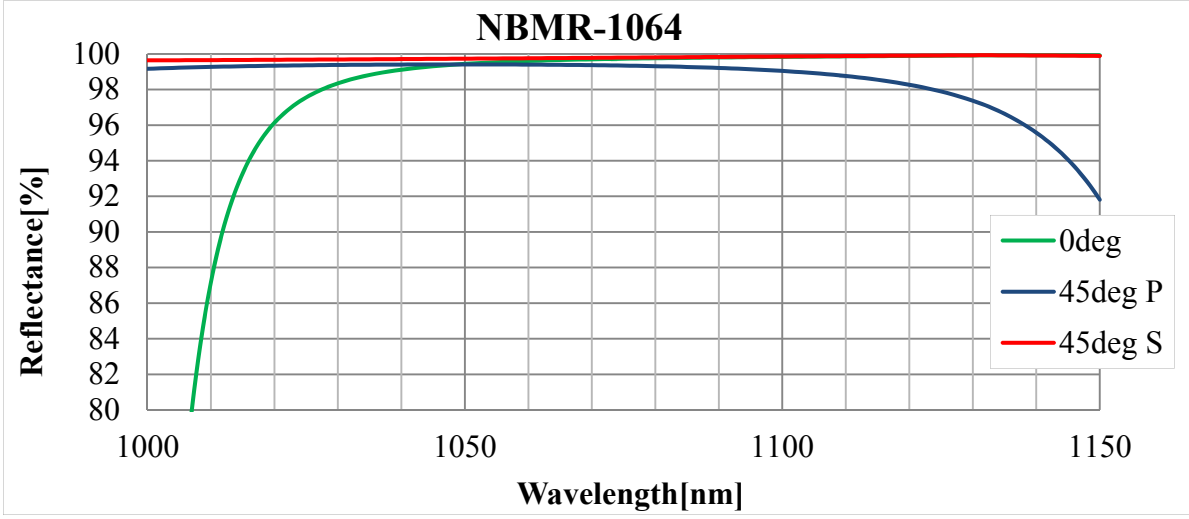
Wavelength Characteristics of Reflectance (1)

* Wavelength Range:532±5 nm



Wavelength Characteristics of Reflectance (2)

* Wavelength Range: 1064±5 nm



Ordering Instructions

+Narrowband Dielectric Multilayer Mirror

Order format: NBMR - (1) - A

Order format example: NBMR-1064-A (Wavelength:1064nm, φ30mm)

(1) Wavelength	532: 532±5 nm 1064: 1064±5 nm
(2) External Diameter of Substrates	A: φ30 mm