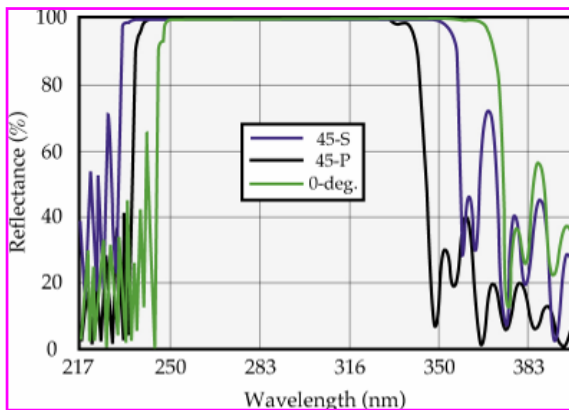


Broadband Dielectric UV Mirrors



These dielectric mirrors are excellent high reflectors for broadband ultra-violet use. They operate over a wide spectral range and provide more than 99% reflectance for angles of incidence from 0° to



45°. Manufactured to laser quality standards, these mirrors are useful for broadband and multi-spectral applications in the ultra-violet.

Two separate wavebands are available:

- 245 – 330 nm centred at 280 nm
- 320 – 450 nm centred at 430 nm

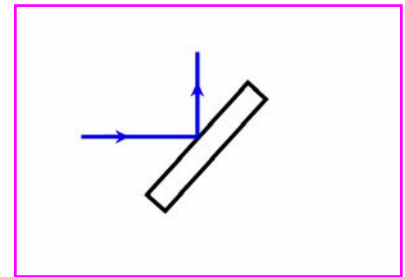
Both substrate and coating have an equally important effect on the performance of these mirrors.

The substrate material is UV Fused Silica. Polish, stability and scatter are controlled as well as the precise reflectance characteristic of the multilayer dielectric coating.

These mirrors are made on $\lambda/10$ polished flats with a surface quality of 10/5 or better.

We can supply broadband UV mirrors in diameters of 10.0, 12.7, 19.1, 20.0, 25.4, 30.0, 38.1 or 50.8 mm.

Please ask for custom sizes if required.



Typical Specifications

Substrate Material:	UVFS
Surface flatness:	$\lambda/10$ @ 633 nm
Surface quality:	10/5
Parallelism:	< 3 arcmin
Diameter:	+0.0 / -0.2 mm
Thickness:	+ 0.25 mm
Reflectance:	$R_{unp} > 99\%$
Clear aperture:	> 85% of diameter

To request a quote or to order, please specify:

Quantity — Substrate Material (UVFS) — Diameter — Waveband

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For a quotation — please phone, fax or email us with details of your requirements.