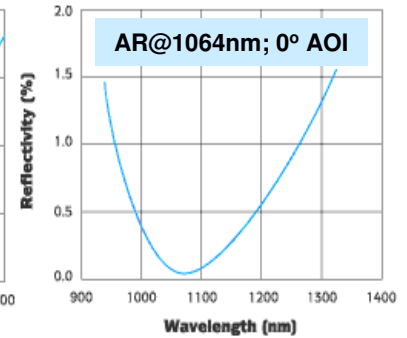
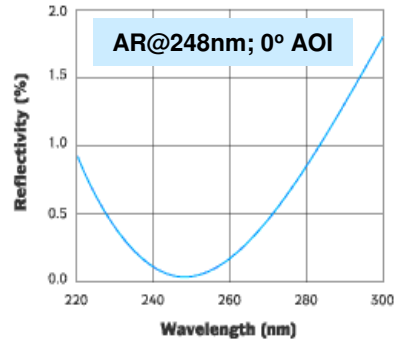
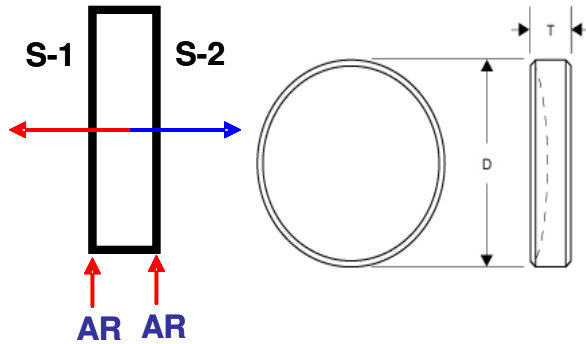


Optical Windows - PPW Series

High Energy, Anti-Reflection, Dielectric Coating (193nm ~ 2100nm)

PHOTONIK^{hv}

PHOTONIK SPECTRUM WORLD



General Specifications:

Substrate Materials (High Purity):
(Laser Window Premium Grade)

Surface Figure:

Transmitted Wavefront:

Surface Quality:

Diameter or Length/Width Tolerance:

Thickness Tolerance:

Wedge/Parallelism:

Edge Chamfer:

Concentricity:

Coating Technology:

Adhesion and Durability:

Clear Aperture(Coated)

Angle of Incidence(AOI):

Damage Threshold(Coating):

Antireflection Coating(2 surfaces):

BK7 glass, UV grade fused silica, Silicon, GaAs, CaF₂, or ZnSe

* Selection of substrate materials is per the center wavelength specified.

$\lambda / 10$ typical at 633nm; $\lambda / 20$ available upon special request.

$\lambda / 10$ typical at 633nm

10-5 scratch and dig

+ 0.00mm, - 0.25mm

± 0.25 mm

≤ 30 arc seconds if unspecified by users;

$\leq 1''$; $\leq 2''$; $\leq 3''$; $\leq 5''$; $\leq 10''$ are available upon request

0.35mm at 45° typ.

0.05mm

Electron beam multi-layer dielectric standard

Per MIL-C-675C, insoluble in lab solvents.

> 95% typ. of dimension, central area; Or special request.

0° standard; Others per specified for special order.

20-J/cm², 8nsec pulse; 1-MW/cm², CW @ 1064nm typical.

R < 0.1% @ specified center wavelength

Ordering Information:

PPW — ① — ② — ③

① — Center Wavelength: e.g. 355: 355nm

193,213,244-248,266,308,337,351,355,400,488-515,532,632,650,755,780,800,808,830,850,870,915,980,1032,1047,1053,1064,1235,1310,1319,1480,1550,1610,....

② — Dimension/Thickness: e.g. D15/2: $\phi 15 \times T2$ mm; D12.7/6: $\phi 0.5'' \times 6$ mm; D25.4/10: $\phi 1'' \times T10$ mm; 50x50/10: L50xW50xT10mm; or user specified;

③ — Coating: DAR: Double-side AR coated; SAR: single-side AR coated; UNC: un-coated; or user specified;

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