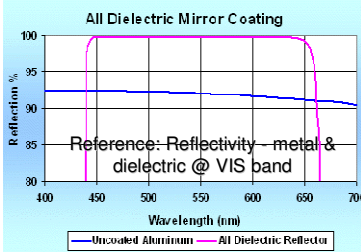


HIGH-REFLECTION MIRROR SERIES

(Broadband, Dielectrically Coated)
(UV, Visible, NIR Band)



PHOTONIK's broadband dielectric HR mirrors offer excellent reflectivity over the started wavelength ranges at 0 ~ 45° angle of incidence, which are most popular in R & D environment and instrument development areas.



Call us for info
Broadband Mirror Set**



** Economical package with much lower price (20% lower than unit price)

General Specifications:

Substrate Material:
Substrate Dimension:

UV fused silica, or upon request
04: Ø10 x T6mm; **05:** Ø0.5" x T6mm; **06:** Ø15 x T6mm;
08: Ø20 x T6mm; **10:** Ø1" x 6mm; **12:** Ø30 x T8mm;
15: Ø1.5" x T8mm; **20:** Ø2" x T12mm; upon request
+ 0.00mm, - 0.10mm / ± 0.15mm
λ /10 typical at 633nm over 1" area

Diameter/Thickness Tolerance:
Surface Figure:
Surface Quality (after coated):
Broadband Coating:
Rear Surface:
Chamfer:
Coating Technology:
Durability Performance:

10 - 5 scratch and dig laser quality (MIL SPECS 0-13830B)
Fine ground typ. (fine polished to laser grade upon request)
0.35mm at 45° typ.
Electron/ion beam multi-layer dielectric standard
Adhesion, abrasion, humidity as per the following (where applicable): MIL-C-675, MIL-M-13508, MIL-M-14806, MIL-C-48497, MIL-F-48616, MIL-STD-810F

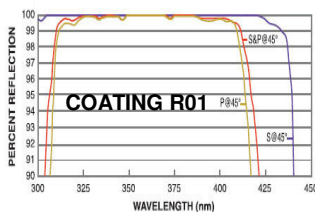
Clear Aperture:
Angle of Incidence(AOI):
Damage Threshold:

> 90% of dimension, central area
0 ~ 45° AOI standard; Others per specified for special order.
> 5kW/cm², CW @ center wavelength; and > 200-mJ/cm²,
10nsec pulse; @ 1064nm typ.
R > 99% Ave (s- & p-polarization), 0° & 45° over specified band.

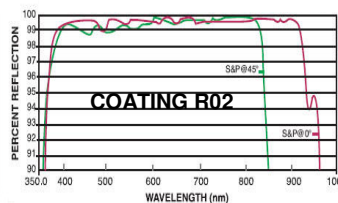
High Reflection (HR) Coating:

R01 Coating: 325 ~ 410nm
R02 Coating: 400 ~ 900nm
R03 Coating: 700 ~ 1200nm
R04 Coating: 1200 ~ 1700nm

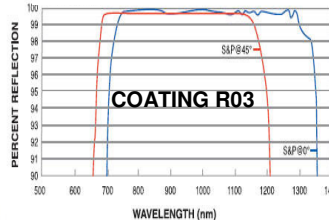
Typical **R01** - Coating Spectrum
(UV BAND: 325 - 410nm)



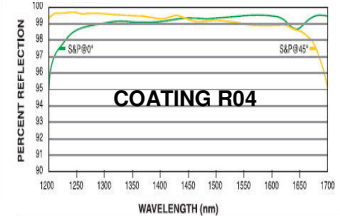
Typical **R02** - Coating Spectrum
(VIS BAND: 400 - 900nm)



Typical **R03** - Coating Spectrum
(NIR1 BAND: 700 - 1200nm)



Typical **R04** - Coating Spectrum
(NIR2 BAND: 1200 - 1700nm)



Ordering Information:

PBB — ① — ②

- ① — Dimension (per given code): e.g. **05** = Ø0.5" x T6mm; **20** = Ø2" x T12mm...
- ② — Coating type (per given code): e.g. **R01** for UV band HR coating; **R02** for VIS band HR coating ...

Contact Information:

PHOTONIK (SINGAPORE) PTE LTD

8 Boon Lay Way, TradeHub 21, #04-04, Singapore 609964
Tel: +65-6316-6370, +65-6316-2142 Fax: +65-6316-1082
Email: sales@photonik.com.sg Web: www.photonik.com.sg

Kokyo

株式会社 光響
〒600-8411
京都市下京区烏丸通四条下ル水銀屋町637番地 第5長谷ビル2階
E-mail: info@symphotony.com