

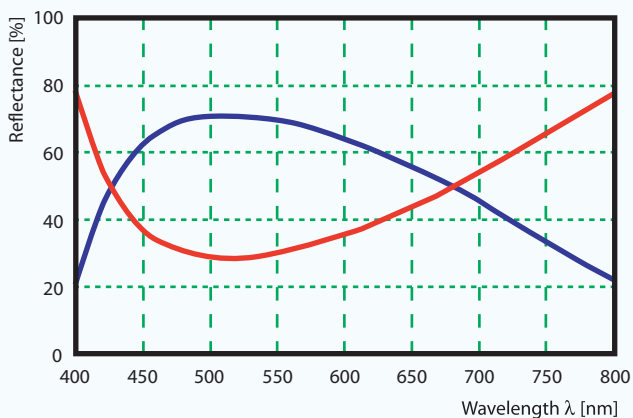
PBS (plate beamsplitter)

Plate Beamsplitters divide incident light into transmission and reflection components. The first surface is coated with all-dielectric materials to yield the desired transmission and reflection characteristics. The second surface has an all-dielectric anti-reflection coating to eliminate secondary reflection. PG&O beamsplitters are durable and will not degrade when exposed to humidity and abrasion.

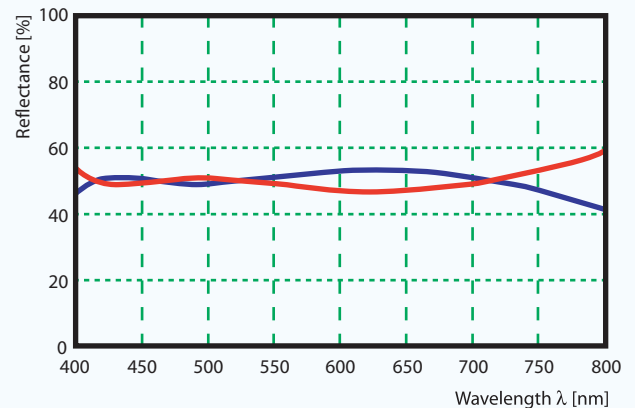
Please see the specifications below, allow our thin film coating group to make any necessary adjustments to meet your immediate needs.

Products Info:

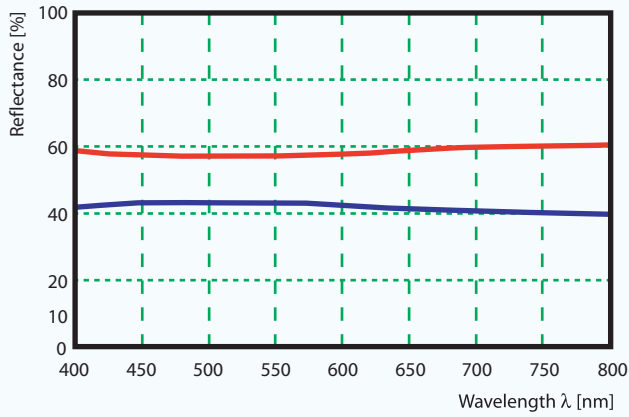
| Product # | Thickness | Material | Surface Quality |
|-----------|---------------------|-----------|-----------------|
| PBS301 | .063" (1.6mm) 30/70 | Float | 80/50 |
| PBS302 | .130" (3.3mm) 30/70 | Starphire | 80/50 |
| PBS501 | .063" (1.6mm) 50/50 | Float | 80/50 |
| PBS502 | .130" (3.3mm) 50/50 | Starphire | 80/50 |
| PBS601 | .063" (1.6mm) 60/40 | Float | 80/50 |
| PBS602 | .130" (3.3mm) 60/40 | Starphire | 80/50 |
| PBS701 | .063" (1.6mm) 70/30 | Float | 80/50 |
| PBS702 | .130" (3.3mm) 70/30 | Starphire | 80/50 |



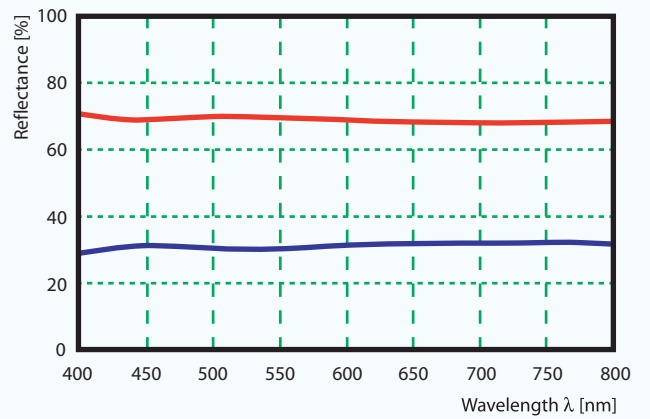
R=70%, T=30% ±5% @ 520nm @ 45° average polarization



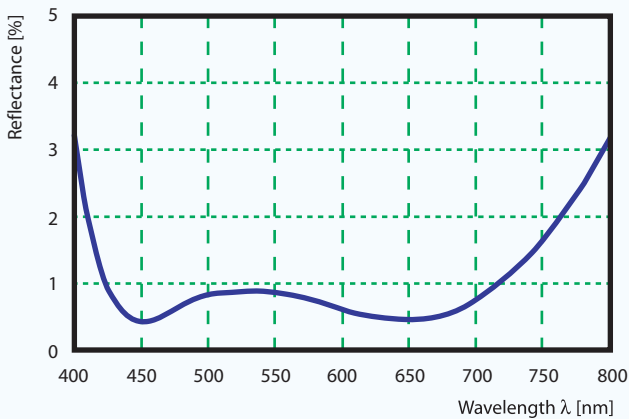
R=50%, T=50% ±5% absolute 400-700nm @ 45° average polarization



R=40%, T=60% ±5% absolute 400-700nm @ 45° average polarization



R=30%, T=70% ±5% absolute 400-700nm @ 45° average polarization



Typical visible broadband antireflection coating shifted for 45°

Though we list a variety of standard items, we are not limited to these tolerances and/or specifications. We manufacture optical components and custom coatings to customer specification. Please contact one of our sales engineers for further details.