
powerphotonic
enhancing beam performance
AR Coating Specification
LightForge™ Custom Optic Fabrication Service
Revision 1v1, September 2013
lightforge

1 Coating Options

LightForge™ offers a broadband anti-reflection (AR), narrowband AR and custom coating options.

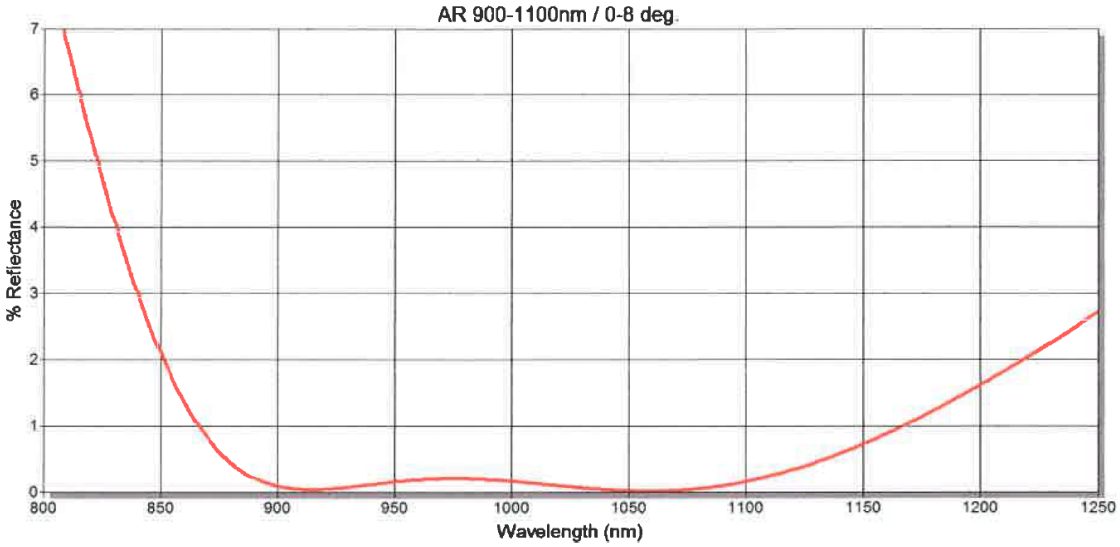
2 Broadband Anti-Reflection (AR) Coating Description

2.1 Specification

The standard anti-reflection coating offered by LightForge™ is specified as follows:

- 900-1100nm @ 0-8 degrees angle of incidence
- <1% reflectance per surface
- Coating is applied to entrance and exit surfaces of substrate
- Coated aperture 25mm x 23.4mm

2.2 Nominal Broadband Reflectance Curve



3 Narrowband AR coating (V-coating)

3.1 Specification

A number of different center wavelengths available as standard.

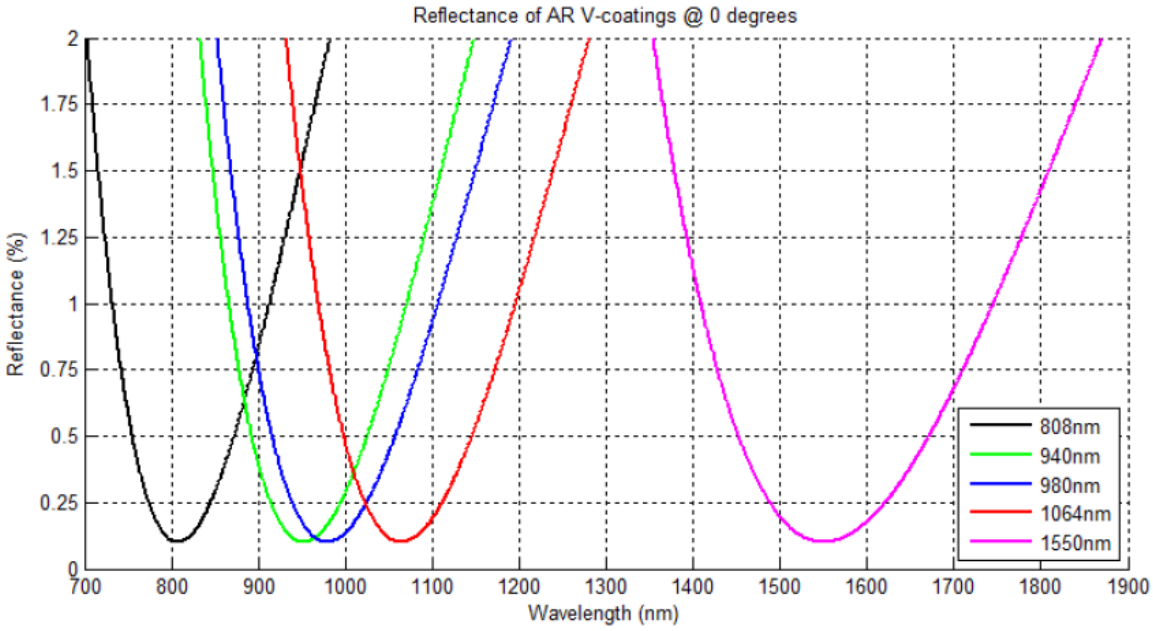
- 808nm
- 940nm
- 980nm
- 1064nm
- 1550nm

3.2 Specification

These V-coatings have an identical specification as follows:

- 0-10 degrees angle of incidence
- <0.25% reflectance per surface
- Coating is applied to entrance and exit surfaces of substrate
- Coated aperture 23mm x 23mm, centered

3.3 Reflectance curves (nominal)



4 Custom AR Coatings

Other coating including high reflectance (HR) types are available on request. Please contact lightforge@powerphotonic.com for further information.