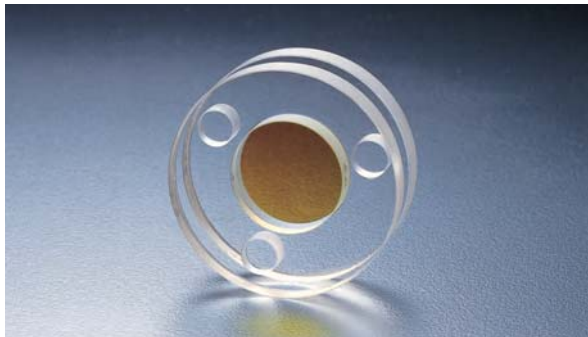


# Etalon | Custom-made

Etalon is made of two parallel high reflecting mirrors and used as a narrow band filter. Widely used in astronomical observation and interferometer measurement.

- The etalons are customized according to your application; we are proposing 4 basic choices. Please see the illustrations.
- Please fill your requirement details onto the following inquiry form; our Sales Division will contact you with a quotation.



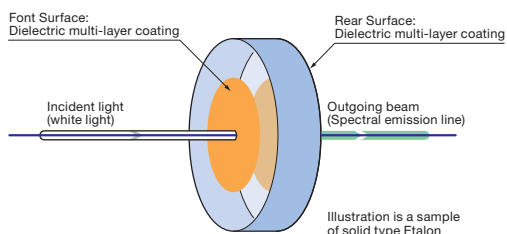
### Specifications

Material	Synthetic fused silica
Surface flatness of substrate	<math>\lambda/20 (\lambda=632.8\text{nm})</math>
Incident angle	0°

### Attention

- ▶ If the angle of incident is not correctly set the transmittance wavelength may be displaced or the light does not transmit as planned.
- ▶ Question about the characteristic of the finesse or the transmission of the Etalon, please contact our International Sales Division.
- ▶ The lead time of some model are expected to be long for further information, please contact our International Sales Division.

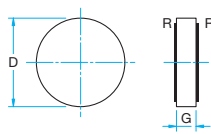
### Schematic



### Outline Drawing

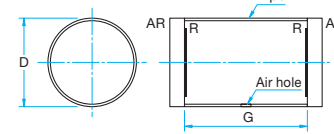
(in mm)

#### ● Solid Etalon



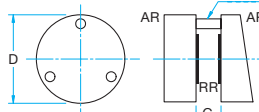
Simple structure and easy to use but the characteristic depends on the refractive index of the glass.

#### ● Tube type: pair Etalon



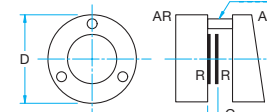
Air spaced with no effects from refractivity of the glass. The resonator is covered, less noise effects from outside.

#### ● 3 pieces pair Etalon



Air spaced with no effects from refractivity of the glass. The resonator is uncovered, easy to be effected by noise.

#### ● 4 pieces pair Etalon



Air spaced with no effects from refractivity of the glass. The resonator length is narrow which enable to get a wider FSR (Free Spectral Range).

R = Dielectric multi-layer coating (high reflectance) AR = Anti-reflective coating

## Contact sheet for Etalon

Estimation  Order

Date

Affiliation (Organization Name)							
Department			Name				
TEL		FAX		E-mail			
Country/ Address							
Name & Designation		(Tentative name is okay)					
Drawing Number		Estimate		<input type="checkbox"/> Yes: by Date			
Desired Delivery Date				<input type="checkbox"/> No			
Type			Budget		JP Yen		
Wavelength		nm		Diameter (D)		mm	
Reflectance		%		Incident beam		mm	
Quantity		piece		Space		mm	
Others		* Write more detailed specifications here. (Rough illustration is acceptable.)					