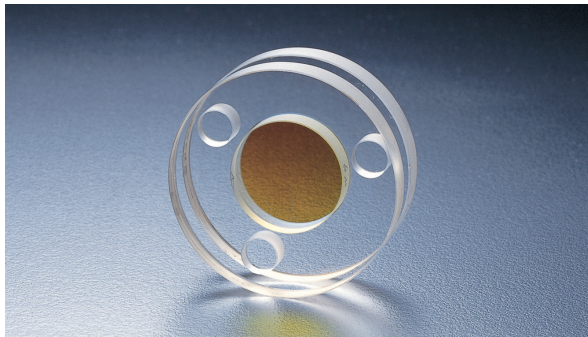


Etalon is made of two parallel high reflecting mirrors and used as a narrow band filter. Widely used in astronomical observation and interferometer measurement.

- 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 personnel will contact you for a quotation.



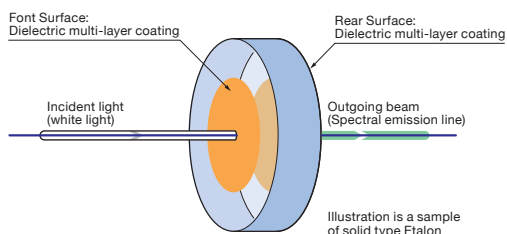
Specifications

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

Attention

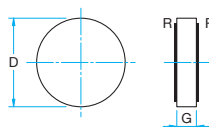
- ▶ If the angle of incident is not correctly set the transmittance wavelength may be displaced or the light does not transmit as planned.
- ▶ Question about the characteristic of the finesse or the transmission of the Etalon, please contact our International Sales Division.
- ▶ The lead time of some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

Schematic



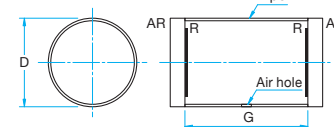
Outline Drawing (in mm)

● **Solid Etalon**



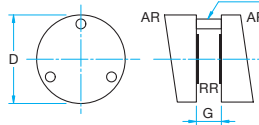
Simple structure and easy to use but the characteristic depends on the refractive index of the glass.

● **Tube type: pair Etalon**



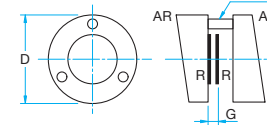
Air spaced with no effects from refractivity of the glass. The resonator is covered, less noise effects from outside.

● **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

To: **Sigma Koki Co., Ltd. FAX +81-3-5638-6550**

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)	nm
Reflectance	nm	Incident beam	%
Others			

* Write more detailed specifications here. (Rough illustration is acceptable.)

Sigma Koki Co., Ltd.