

Air-Spaced Etalons

Product Description:

Air-Spaced Etalons consist of two extremely parallel plates polished to very tight specification with an air gap between them. The inner surfaces of the plates are coated with partially reflecting coatings; the outer surfaces are coated with antireflection coatings. The spacer is a type of low expansion material such as ULE, fused silica or Zerodur which is optically contacted between the two plates to create an air gap. Air-spaced etalons are available in a wide range of FSR values from 1500 GHz to 10 GHz.

You may refer to this page (http://www.pmoptics.com/low_expansion_materials.html) for material properties



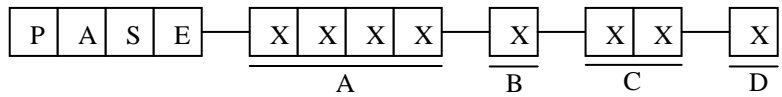
Features:

- Great thermal stability
- High transmittance
- High precision FSR tolerance

Specifications:

Materials	Schott Zerodure Corning ULE Fused Silica
Dimension Tolerance	$\pm 0.1\text{mm}$
Parallelism	<0.5 arc second
FSR Tolerance	$\pm 0.03\text{GHz}$
Flatness	$\lambda/20$ @ 632.8nm
Surface Quality	10~5

Ordering Information:



A	Wavelength	1550=1550nm
		980=0980nm
		XXXX=Your Application Wavelength
B	Material	1= Zerodure
		2=ULE
		3= Fused Silica
		0=Special
C	Dimensions	00=Custom Dimensions
D	Shape	1=Circular
		2=Rectangular