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Solid Etalons

Product Description:

Solid Etalons are made from a single plate with partially reflecting coatings on both sides. The two surfaces have excellent parallelism and flatness. The cavity is formed by the plate thickness. Solid etalons are available in a wide range of FSR values from 1500 GHz to 10 GHz.

Solid silicon etalons are very temperature sensitive. They are often used as tunable dispersion compensators by temperature tuning.

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

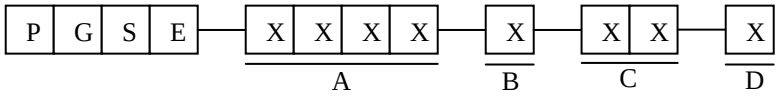
Features:

- High precision FSR tolerance
- Easy tunability

Specifications:

Materials	Schott Zerodure Corning ULE Fused Silica Silicon
Dimension Tolerance	±0.1mm
Parallelism	<0.5 arc second
FSR Tolerance	±0.03GHz
Flatness	λ / 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
		4=Silicon
		0=Special
C	**Dimensions**	**00=Custom Dimensions**
D	**Shape**	**1=Circular**
		2=Rectangular