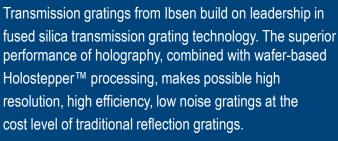
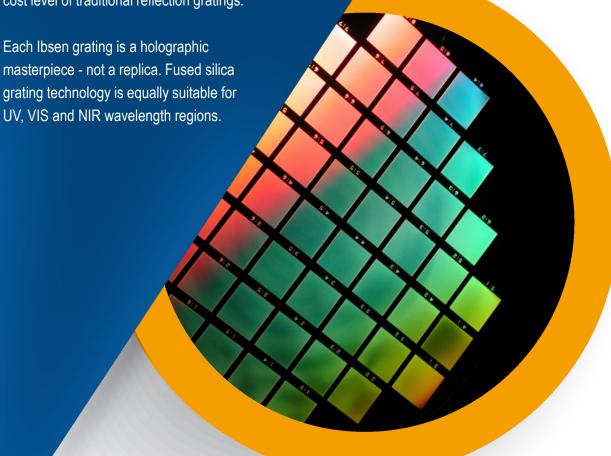
Fused silica transmission grating technology enables high resolution, high efficiency gratings that are ideal for compact spectrometers







Spectrometer Grating

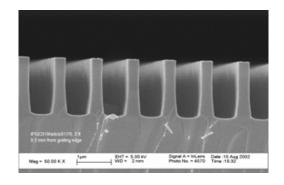
2421 I/m for 190 - 437 nm

FSTG-XUV2421-921d

2421 I/m for 190 - 437 nm

FSTG-XUV2421-921d

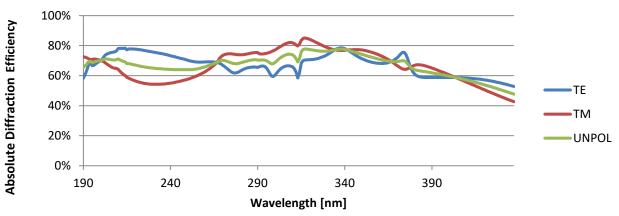
Benefits	
High diffraction efficiency combined with high dispersion	
Low polarization dependence over broad spectral range	
Unbeatable temperature and environmental tolerance	
Transmission configuration offers flexible and tolerant design	
Low stray light and low wavefront distortion	



Parameter	Specification
Materials	Fused silica and high-power, dielectric AR coating materials
Grating area	8.1 mm x 8.1 mm
Chip size	9.1 mm x 12 mm
Chip thickness	0.625 mm
Grating resolution	2421 l/mm
Dispersion at 300 nm	0.15 deg/nm
Angle of incidence (AOI)	17.3 deg
Illumination bandwidth	190 – 437 nm
Diffraction efficiency, unpolarized	>40%, all wavelengths
Coefficient of thermal expansion (CTE)	0.5 ppm/K
Maximum operating tempature	>500 degrees C
Cleaning recommendation	First contact. Available from Photonic Cleaning

Typical grating performance

2421 l/mm for 190-437 nm

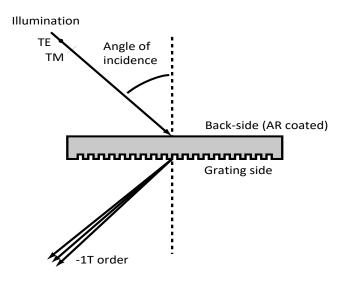




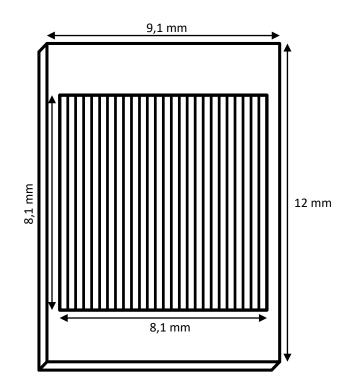
2421 I/m for 190 - 437 nm

FSTG-XUV2421-921d

Configuration/definitions



Drawing



Specifications are subject to change without notice.

The above grating is an example of Ibsen's capabilities. Ibsen operates as grating partner for our customers, from being an integrated part of the grating and device / instrument design phase, to the manufacturing of prototypes, to volume manufacturing of OEM gratings.

