



Gain Flattening Filters

iXblue's GFF based on Fiber Bragg Grating technology represents an easy and effective solution to flatten the gain in a WDM systems. Fast prototyping made possible by our highly flexible production lines. The FBG technology achieves low systematic errors leading to stochastic accumulation of the error function in cascading GFFs.

iXtra technology based on chirped and slanted FBG written on our specialty fiber pushes the limits of flattening by achieving a very low ripple and a high return loss.

Application

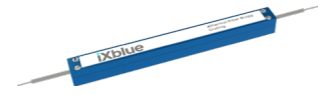
- WDM in optical fiber communication (Long-haul, Metro)
- Clean-up filtering
- ASE source flattening, spectral shaping
- Raman amplifier

Key Features

- Customized filter profile in the C, L and S bands
- Tight compensation of gain fluctuations
- Low excess loss
- Low magnitude ripple (down to 0.02 dBpp) with iXtra technology
- Dissipative filtering with iXtra technology
- Low systematic errors
- Weak PDL and PMD
- PM fiber available
- Fulfill Telcordia GR-1209 or GR-1221 requirements
- Custom design on request
- Athermal or non-athermal package, recoa

Related Products

- Er doped fiber
- Er/Yb doped fiber



Main Specifications

Product Name	IXC-GFF
Operating Band	C, L or C+L
Excess Loss (dB)	≤ 0.5
Typical Error Function (dB)	+/- 0.2
PDL (dB)	< 0.1
PMD (ps)	< 0.05
Thermal Stability (pm/°C)	< 2
Package Size (mm)	55 x 5 x 5
Fiber Type	Single Mode Fiber (SMF), Cladding Mode Free (CMF), PM15 or other

