

Long Period Fiber Grating for Gain Flattening Filter (GFF)



Parameters	Symbol	Unit	Performance
Available Center Wavelength	λ_c	nm	1520 – 1600
Available Loss Depth	LD	dB	0.8 – 7
Available Band Width	FWHM	nm	4 – 20
Minimum Insertion Loss	Lmin	dB	< 0.5
Reflection Loss	RL	dB	> 50
Temperature Sensitivity of Center Wavelength		nm/°C	< 0.01
Polarization Dependent Loss	PDL	LD < 2	< 0.1
		LD < 4	< 0.2
		LD < 6	< 0.5

Features

- ✧ Low Temperature Sensitivity
- ✧ Smooth Spectrum
- ✧ High Reliability

Application

- ✧ High Reliability
- ✧ Gain Flattening for EDFA

Long-period fiber gratings are suitable for Gain Flattening Filter of EDFAs. Using our patented fiber technology, low temperature sensitivity is achieved.

Dual or Triple concatenated LPGs are applied to complicated gain profile.

