

Gain Flattening Filters (GFF)

Description

Browave's Gain Flattening Filters (GFF) are designed with thin film based technology. The Gain Flattening Filters provide inline compensation of the spectral gain profiles of EDFAs. Patented package technology for GFF thermal wavelength control and ILEF adjustment. The Browave thin film GFF offers an excellent match to the target loss profile with minimal loss and error.



Features

- ▶ Accurate gain profile matching
- ▶ Low error function
- ▶ Excellent stability and reliability
- ▶ Epoxy-free optical path
- ▶ Telcordia compliant
- ▶ RoHS compliant

Application

- ▶ EDFA
- ▶ Raman amplifier

Specification

| Parameter | Unit | | Standard Compact | 2-in-1 Compact |
|-----------------------------|------|-------|----------------------|------------------|
| Operating Wavelength Range | nm | | C / L Band | C / L Band |
| Excess Insertion Loss | Max. | dB | 0.5 | 0.6 |
| PPEF | Max. | dB | 0.5 | 0.6 |
| Return Loss | Min. | dB | 45 | 45 |
| Polarization Dependent Loss | Max. | dB | 0.1 | 0.15 |
| Thermal Wavelength Drift | Max. | nm/°C | 0.003 | 0 |
| Optical Power | Max. | mW | 500 | 500 |
| Operating Temperature | °C | | -5 ~ +75 | -5 ~ +75 |
| Storage Temperature Range | °C | | -40 ~ +85 | -40 ~ +85 |
| Fiber Type * | - | | 250um bare fiber | 250um bare fiber |
| Package Dimension (DxL) | mm | | 3.8 x 34 3.2 x 34 | 3.8 x 36.5 |

* 900um loose tube fiber available and connectorized process available