



Gain Flattening Filter (GFF Series)

Rev 11

Description

The Gain Flattening Filter is a micro optics device based on environmentally stable thin-film filter technology. It is used to flatten the spectral gain in EDFAs. The components are characterized with low error function, low insertion loss, high return loss, excellent environmental stability and high power handling capability.

Key Features

- Low Error Function
- Low Insertion Loss

Applications

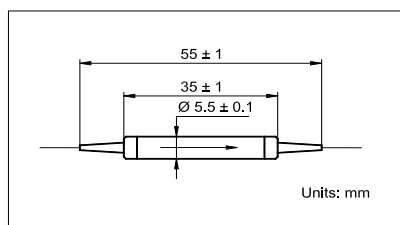
- EDFA
- Raman Amplifier

Specifications

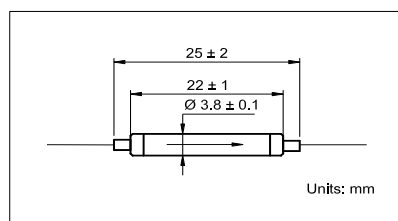
Parameter	Unit	Value
Wavelength Range	nm	As filter spec
Max. Peak Insertion Loss	dB	0.6
Typ. Peak Insertion Loss	dB	0.4
Peak to Peak in Error Function, 23 °C	dB	0.5
Wavelength Thermal Drift	nm/°C	≤ 0.002
Min. Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.1
Polarization Mode Dispersion	ps	0.1
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type	-	SMF-28 Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Standard Package



Mini Package

Ordering Information

GFF-①①①①-②-③-④-⑤

①①①①: Wavelength

SSSS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑤: Package Type

1 - Standard Package

2 - Mini Package

N - None

S - Specify

③: Fiber Jacket

B - 250 µm Bare Fiber

L - 900 µm Loose Tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify