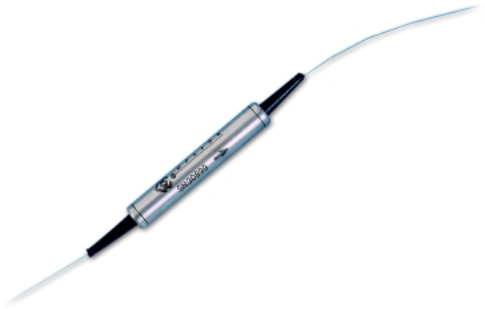
Gain Flattening Filter for EDFA

GFF-15 Series



OPLINK's Gain Flattening Filters for Erbium-Doped Fiber Amplifying Systems (EDFAs) are based on thin-film filter technology and metal bonding micro-optics packaging. It provides in-line compensation of the spectral gain profile of EDFAs at 1550nm band. The flatness of compensated spectral gain is less than ±0.5dB over the required band-width. All OPLINK products are epoxy-free in the optical path. It is used in high-power applications in DWDM systems.

Performance Specifications

GFF-15 Series	
Wavelength Range (nm)*	1528nm - 1565nm
Error Function (dB)	≤ ± 0.5
Return Loss (dB)	≥ 55
Thermal Stability (dB/ °C)	≤ 0.003
Maximum Power Handling (mW)	300
Maximum Tensile Load (N)	5
Operating Temperature (°C)	0 to +65
Storage Temperature (°C)	-40 to +85
Package Dimension (mm)	P1: SMF-28 bare fiber (ϕ)5.5 x (L)34 P2: 900 μm loose tube (ϕ)5.5 x (L)40

Values are referenced without connector loss.

* Customer Special Wavelength Range Requirement Is Acceptable.

Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- Flat Spectral Gain
- Highly Stable & Reliable
- Epoxy-Free Optical Path

Applications

- Fiberoptic Amplifiers
- WDM Systems
- Fiberoptic Instruments

Ordering Information

GFF [1] [5] [ ] [ ] [ ] [ ] [ ]

Wavelength:
1550 nm = 15

Band:
Blue = B
Red = R
All band = A

Package:
250 μm fiber (P1) = 1
900 μm loose tube (P2)= 2

Fiber Type:
250μm SMF-28 = 1
900μm loose tube = 2

Fiber Length:
Special = 0
1 Meter = 1

Connectors:
Special = 0
None = 1
FC/PC = 2
FC/SPC = 3
FC/APC = 4
SC/PC = 5
SC/SPC = 6
SC/APC = 7
ST = 8
LC = 9

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