

## Gain Flattening Filter / Isolator Hybrid for EDFA

### Key Features

- Wide Operating Wavelength Range
- Low insertion loss
- Flat Spectral Gain
- High stability and reliability
- Epoxy free on optical path

DK Photonics' GFFI for EDFA is a combination of Gain Flattening Filters and 1550 Isolator. The GFFI provide in-line compensation of spectral gain profile of EDFAs WITH excellent performance including high Isolation, Low PDL, and Low PMD. The Gain Flattening Filters provide in line compensation of the spectral gain profile of EDFAs.



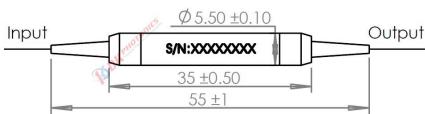
### Applications

- Fiber Optical Amplifier
- EDFA

### Performance Specifications

Parameter	Unit	Single Stage	Dual Stage
Wavelength Range	C-band	nm	1528~1565
	L-band	nm	1570~1610
Insertion Loss	dB	< 1.0	< 1.1
Peak to Peak Error Function	dB	< 0.8(Typ. 0.5)	
Isolation	dB	> 30	> 45
Polarization Dependent Loss	dB	< 0.1	
Return Loss (Min.)	dB	50	
Power Handling	mW	300	
Operating Temperature	°C	0 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Fiber Type	-	Corning SMF-28 fiber	
Package Dimensions	mm	Ø5.5xL35(default), Ø3.0xL28	

### Package Dimension:



1. Values are referenced without connector loss; specifications may change without notice.
2. Other specifications can be made on customer request.
3. Please provide the required GFF target spectrum when inquiring.

## For more Info

### Please contact us at:

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### Order information P/N: GFFI -①-②-③-④-⑤

When you inquire, please provide the correct P/N number according to our ordering information and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250µm bare fiber pigtail.

①	②	③	④	⑤
Stage	Wavelength	Pigtails Diameter	Fiber Length	Connector
S: Single Stage	C: C Band	25:250µm bare fiber	05:0.5m	00: None
D: Dual Stage	L: L Band	90:900µm loose tube	10:1.0m	FP: FC/PC
		XX: Others	15:1.5m	FA: FC/APC
			XX: Others	XX: Others

**Part Number Example:** GFFI-S-C-25-10-00

**Description:** 1550nm Gain Flattening Filter / Isolator Hybrid, single stage isolator, c band, with bare fiber, 1.0m fiber length, and no connectors at all ports.