

EDFA Gain Flatten Filter Devices: GFFD



2022 V1

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EDFA Gain Flatten Filter Devices: GFFD

Gain Flatten Filter (GFF) is a filter-based device that features ultra-low insertion loss, super thermal stability and excellent reliability. The product uses lead -free packaging platform without epoxy on the optical path. The GFFs provide inline compensation of the spectral gain profile of EDFAs and can be used for high-power applications in DWDM systems. The products are Telcordia GR-1209/1221-UNC qualified and in compliance with RoHS directives.

Applications

- EDFA
- Raman amplifier

Features

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

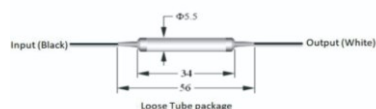
Product Photo



Optical Performance Specifications

Parameter	Value	Unit
Operating Wavelength Range	As filter Spec C/Lband	nm
Peak Insertion Loss	≤0.5	dB
Peak to Peak in Error Function Range	≤0.5	dB
Optical Return Loss (Input & Output)	≥50	dB
Polarization Dependent Loss	≤0.1	dB
Wavelength Thermal Drift	≤0.003	nm/°C
Polarization Mode Dispersion	≤0.05	ps
Temperature Dependent Loss	≤0.15	dB
Power Handling	≤500	dB
Operating Temperature	0 ~ 70	°C
Storage Temperature	-40 ~ 85	°C
Humidity	5 ~ 95%	-
Package Size	Φ05.5xL34	mm
Fiber Type	SMF-28e/Customized	-

Mechanical Dimensions



Ordering Information

GFFD-	□	□	□	□	□	□	□	□	□
Port Configuration	Wavelength Range	Package	Fiber Type	Input Pigtail Type	Input Pigtail length	Output Pigtail Type	Output Pigtail length	Connector	
11: 1 x 1	C:C Band	0: Φ5.5x34	0: SMF-28e	0: 250μm bare fiber	1:50cm	0: 250μm bare fiber	1:50cm	0:None	
CC: Customize	L: LBand	1: Φ5.5x40	1: G.657.A1	1:900μm loose tube	2:100cm	1:900μm loose tube	2:100cm	1:FC/UPC	
		2: Φ3.0x25	2: G.657.A2	2:2.0mm loose tube	3:150cm	2:2.0mm loose tube	3:150cm	2:FC/APC	
		C: Customized	C: Customized	3:3.0mm loose tube	4:200cm	3:3.0mm loose tube	4:200cm	3:SC/UPC	
				C: Customized	C Customized	C: Customized	C: Customized	4:SC/APC	
								5:LC/UPC	
								6:LC/APC	
								C: Customized	
Example of Ordering Form: GFFD-11C0002020-01									
GFFD-	11	C	0	0	0	2	0	2	0
	1 x 1	C Band	Φ5.5x34	SMF-28e	250μm bare fiber	100cm	250μm bare fiber	100cm	None