Gain Flattening Filter

Auxora's Gain Flattening Filter (GFF) is a filter-based device which 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 in-line compensation of the spectral gain profile of EDFAs, and can be used for high-power applications in DWDM system.

FEATURES

- Low insertion loss
- Flat spectral gain
- Exceptional reliability and stability
- Epoxy free optical path
- Telcordia GR-1221 and GR1209 compliant

APPLICATIONS

- Fiber optic amplifier

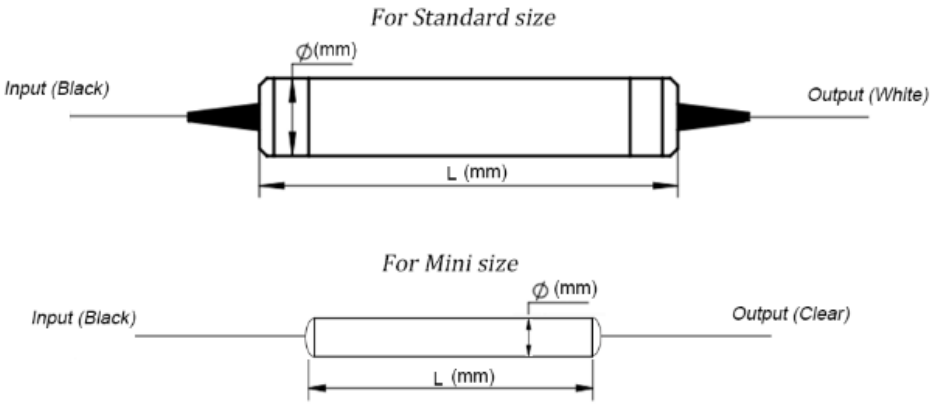
SPECIFICATIONS

Parameters	Unit	Value
Operating Wavelength Range	nm	Refer to target curve
Peak Insertion Loss	dB	≤0.5
Peak to Peak in Error Function Range	dB	≤0.5
Optical Return Loss (Input & Output)	dB	≥50
Polarization Dependent Loss	dB	≤0.1
Polarization Mode Dispersion	ps	≤0.05
Temperature Dependent Loss	dB	≤0.15
Maximum Power Handling	mW	500
Operating Temperature	℃	0 ~ 70
Storage Temperature	℃	-40 ~ 85
Humidity	--	5 ~ 95%
Package Size	mm	Standard: Φ5.5xL34（L40 for 900um loose tube） Mini Size: Φ3.0xL25
Fiber Type	--	ITU-T G657.A

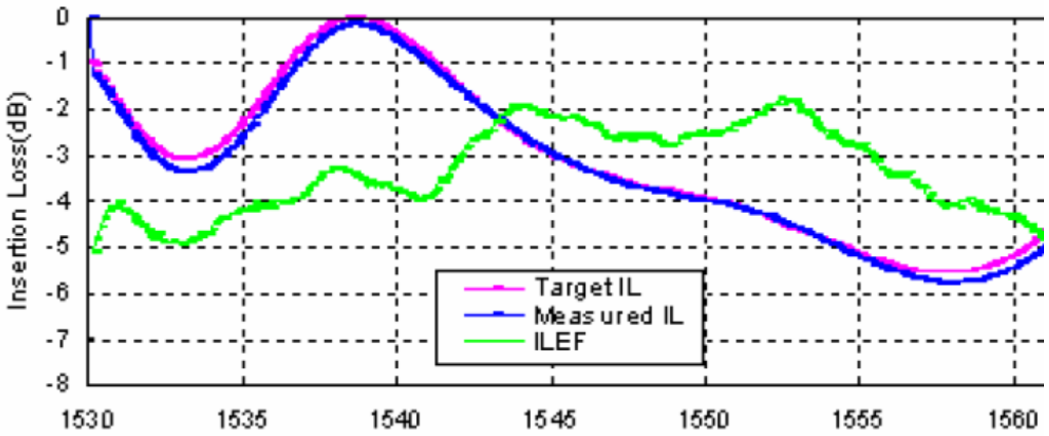
NOTES:

1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
2) PMD and chromatic dispersion values are guaranteed by design.
3) IL is 0.3 dB higher, RL is 5 dB lower for each connector added

Packing Dimensions(mm)



Spectrogram(e.g. typical curve)



Ordering Information: (e.g.AGFFD-11C1060-1010-00-004)

AGFFD-	XX	xxx	X	XX	X	-	XX	XX	-	X	X	-	xxx
	Port Configuration	Wavelength Range	Package	Fiber Type	Fiber Jacket		Fiber Length			Connector			Target Curve
							Input	Output		Input	Output		
	11=1x1	C=C Band	1=5.5x34	06=G657.A1	0=250um Bare fiber		10=1.0m	10=1.0m		0=None	0=None		
	XX=Customized	L=L Band	2=5.5x40	07=G657.A2	1=900um loose tube		12=1.2m	12=1.2m		1=FC/UPC	1=FC/UPC		
			4=3.0x25	XX=Customized	X=Customized		.....	.....		2=FC/APC	2=FC/APC		
			X=Customized				15=1.5m	15=1.5m		3=SC/UPC	3=SC/UPC		
							NA=N/A	NA=N/A		4=SC/APC	4=SC/APC		
							XX=Customized	XX=Customized		5=LC/UPC	5=LC/UPC		
										6=LC/APC	6=LC/APC		
										X=Customized	X=Customized		