

## WDM+Isolator+GFF Hybrid Device

Auxora's WDM+Isolator+GFF Hybrid Device is a combination of a 980/1550 nm WDM 、 optical isolator and GFF. The device features low IL, high isolation, high return loss and low PDL. By combining three functions into an ultra compact package, the packaging dimension can be approx.  $\Phi 3.0 \times 30 \text{mm}$ , which enables it to be an ideal solution to EDFA application.



### FEATURES

- Compact size
- Low insertion loss high isolation
- Ultra low PDL&PMD
- Highly stable & reliable
- Telcordia GR-1221/1209 compliant
- Epoxy-free optical path

### APPLICATIONS

- EDFA

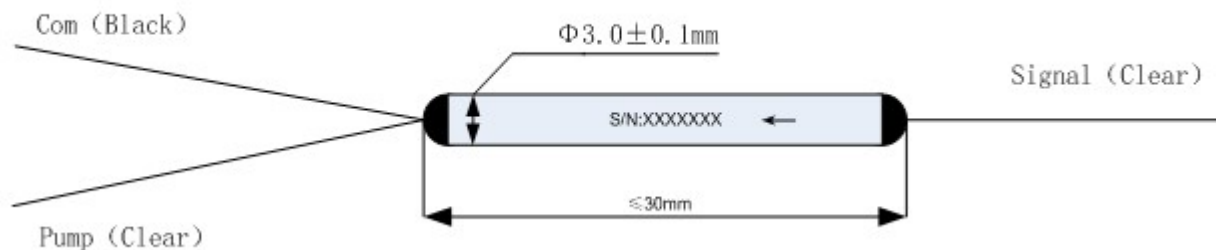
### SPECIFICATIONS

Parameters	Single Stage	Dual Stage
Signal Channel Wavelength Range( $\lambda_s$ ) (nm)	1528~1565 or 1570~1604	
Pump Channel Wavelength Range( $\lambda_p$ ) (nm)	965~995	
GFF Target	See target curve file	
Insertion Loss @ Pump to Common	$\leq 0.6$	$\leq 0.6$
Peak Insertion Loss(After packaging) <sup>1</sup> @ Signal to Common	$\leq 1.2$	$\leq 1.4$
Error Function (Peak to Peak) <sup>2</sup> in working wavelength range	$\leq 0.5$	$\leq 0.5$
Isolation (Common to signal)(dB)	$\geq 20$	$\geq 35$
Isolation (Pump to com) (dB)	$\geq 15$	
Polarization Dependent Loss (dB)	$\leq 0.1$	$\leq 0.15$
Polarization Mode Dispersion ( ps)	$\leq 0.05$	
Return Loss (dB)	$\geq 50$	
Optical Power Handling (mW)	$\leq 500$	
Operating Temperature (°C )	-5 ~ 75	
Storage Temperature (°C )	-40 ~ 85	
Humidity	5% ~ 95%	
Fiber Type	OFS 980-20 for COM & Pump Ports, SMF-28 ultra for Signal Port. Or customized	
Packaging Dimension (mm)	$\Phi 3.0 \times 30$ (L) or less	

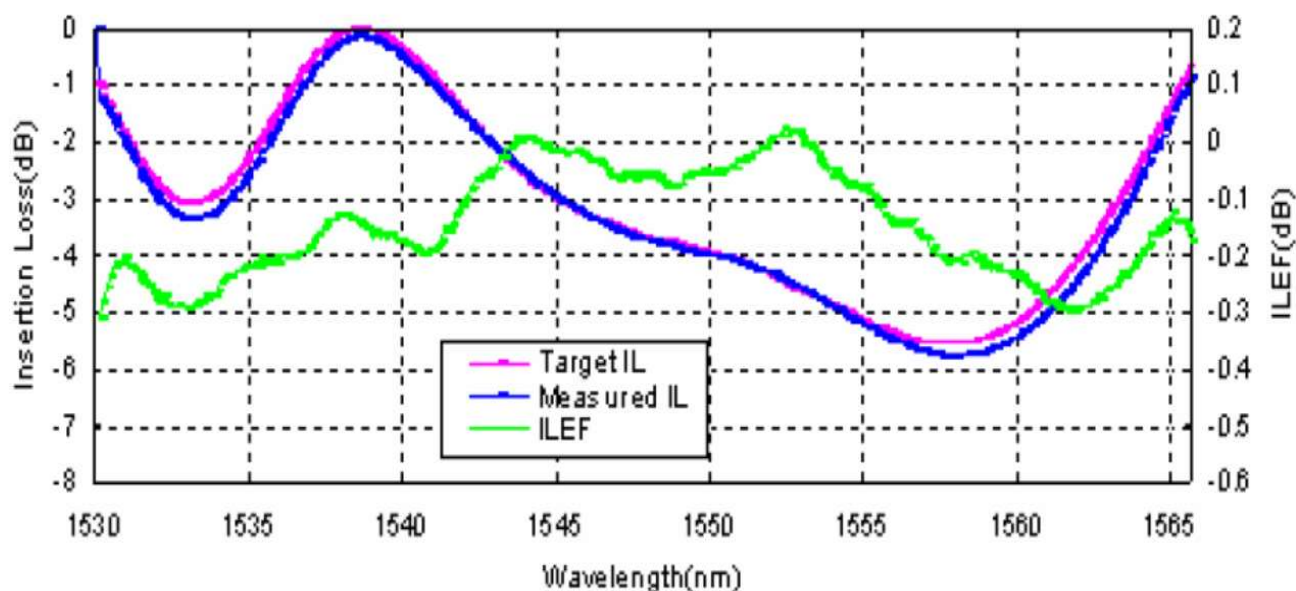
### NOTES:

- 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:

- If you have any requirements for this product, please contact us.  
[sales@auxora.com](mailto:sales@auxora.com) or [saleschina@auxora.cn](mailto:saleschina@auxora.cn)
- The target curve needs to be provided