

WDM+Isolator+GFF Hybrid Device



Production Description

The WDM+Isolator+GFF Hybrid Device (DWIG) is combinationed by twoWDM,a Gain flattening filter and an isolator in a compact package. This product is widely used in EDFAs.It has an extremely low insertion loss, and compact-size.

It can be customized designed to meet specialized feature applications.

Features

- Low Insertion Loss
- High Isolation
- Flat Spectral Gain
- High Stability and Reliability

Applications

EDFAs

Standards

- Telcordia GR-1221-CORE
- RoHS

Specifications

Parameter		Unit	Value	
Operating Wavelength Range		nm	980/1550	
Signal Band(λs)		nm	1528~1569	
Pump Band(λp)		nm	965~990	
Insertion	Signal Port	dB	≤1.5	≤1.6
Loss	Pump Port	dB	≤0.8	≤0.8
Peak to Peak Error Function		dB	≤0.6	
Isolation	Signal to Com@\lambdas	dB	≥21	≥36
	Com to Signal@λp	dB	≥20	
	Pump1 to Com@λs	dB	≥18	

	Pump2 to	dB	≥50	
	Signal@λs			
Return Loss		dB	≥45	
Polarization Dependent Loss		dB	≤0.2	
Polarization Mode		ps	≤0.05(Low PMD), ≤0.10(Normal)	
Dispersion(standard)				
Directivity		dB	≥50	
Maximum Power Handling		mw	≤300	
Operating Temperature		$^{\circ}$	-5~+70	
Storage Temperature		$^{\circ}$	-40~+85	
Package Dimension		mm	Ф3.5*29	
Fiber Type			OFS980-16	

Note: All Insertion Loss including PDL, TDL and WDL.

Ordering Information

