



## 980/1550 (980/1590) Ultra-High Reliability WDM

### Features of our WDM:

- Moisture Resistant
- Impact-Resistant
- Vibration-Resistant
- Compact Size

### Applications for our WDM:

- Submarine Optical Amplifier
- Submarine Optical Module
- Terrestrial Raman Amplifier

### Specifications:

Specification		Unit	980/1550nm		980/1590nm	
			Premium	A grade	Premium	A grade
Shorter wavelength channel		nm	980+/-10		980+/-10	
Insertion loss	Max.	dB	0.3	0.4	0.3	0.4
PDL	Max.	dB	0.05	0.05	0.05	0.05
Isolation @C band or L band	Min.	dB	20	18	20	18
Longer Wavelength Channel		nm	C Band (1530 to 1565)		L Band (1570 to 1605)	
Insertion Loss	Max.	dB	0.3	0.4	0.3	0.4
PDL	Max.	dB	0.05	0.05	0.05	0.05
Isolation @980+/-10	Min.	dB	20	18	20	18
Return Loss	Min.	dB	50			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S6	Diam. 3x54: for bare fiber		

Ultra-high Reliability Test	Results
High Temperature Storage (85 C)	5000 hours
Temperature cycling (-40 C to +85 C)	1000 cycles
Damp heat test (85 C/85%RH)	5000 hours
Low temperature storage (-40 C)	5000 hours
Impact test (drop test, 1.8m)	20 times/each axis (3 axes)
Vibration test (10 to 2000 Hz/20g)	30 minutes/12 times (3 axes)



Ordering Information:

- Wavelength: 980/1550nm or 980/1590nm
- Structure: 1x2 or 2x2
- Grade: Premium (P) or A grade
- Fiber type: HI 980, HI1060, OFS SMB-D0980B
- Fiber length: 0.5m, 1.0m, 1.5m, 2.0m, customer's request
- Connector: none, FC/PC, FC/APC, ST, customer's request

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales2@o-eland.com](mailto:sales2@o-eland.com)