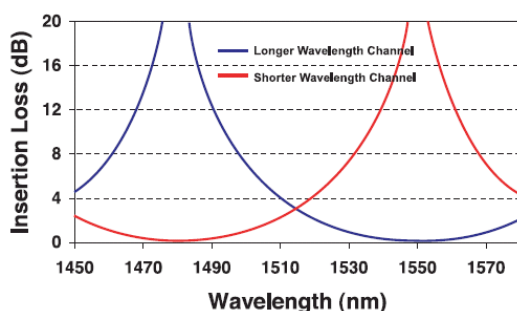


1480/1550nm(1475/1558nm) Single Mode Fiber WDM

1480/1550nm WDM Typical Spectrum



Product Features

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

Product Applications

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

Specifications			1480/1550nm		1475/1558nm	
Parameter	Unit		Premium	A grade	Premium	A grade
Shorter Wavelength Channel		nm	1480±5		1475±5	
Insertion Loss	Max.	dB	0.3	0.4	0.3	0.4
PDL	Max.	dB	0.1	0.15	0.1	0.15
Isolation @ 1550 or 1558±5nm	Min.	dB	15	13	15	13
Longer Wavelength Channel		nm	1550±5		1558±5	
Insertion Loss	Max.	dB	0.3	0.4	0.3	0.4
PDL	Max.	dB	0.1	0.15	0.1	0.15
Isolation @ 1480 or 1475±5nm	Max.	dB	15	13	15	13
Return Loss*	Min.	dB	50	45	50	45
Operating power	Max.	W	5			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S9	Ø3x76: for bare fiber		

* Test at central wavelength only.

Ultra-High Reliability Test	Results
High Temperature Storage (85°C)	6,000 hours
Temperature Cycling (-40°C to 85°C)	1,000 cycles
Damp Heat Test (85°C /85%RH)	5,000 hours
Low Temperature Storage (-40°C)	6,000 hours
Impact Test (1000g, 1ms)	8 times/each axes (3 axes)
Vibration Test (10 to 2,000 Hz/20g)	20 minutes/12 times (3 axes)

Ordering Information

H	W	D	M			O	O					
Wavelength		Structure		Grade		Package		Fiber Type		Pigtail		Fiber Length
7=1480/1550nm 9=1475/1558nm		1=1x2 2=2x2		P=Premium A=A grade		8=S9		1=SMF-28e		S=250um bare fiber		0=0.5m 1=0.75m 2=1.0m S=Specify

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are subject to change without notice.