

**Isolator/Filter Wavelength Division Multiplexer Hybrid
1310/1550 or 1480/1550(IWDM Series)**

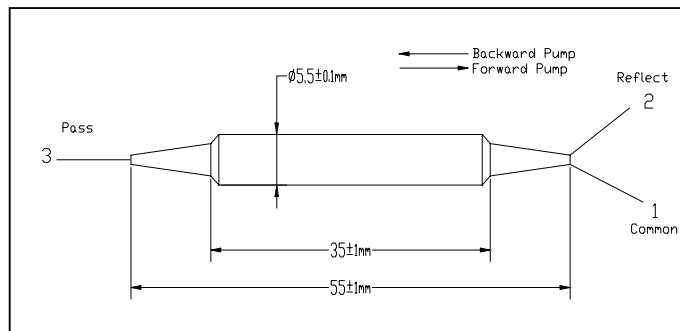
The 1310/1550, 1480/1550 IWDM series combine Filter WDM and isolator into a compact package to offer cost saving solution. This device is ideal to be used in 1310/1550 WDM network and line monitoring applications to combine two signal wavelengths and eliminate back reflection. This 1480/1550 device is ideal for fiber amplifier application to combine signal and pump wavelengths with very stable 1550nm signal isolation. They are designed and manufactured to Telcordia standard and is capable of high power handling.

Specifications

Parameters	Unit	Single Stage	Dual Stage
Pass Band	Signal Wavelength Range	1530-1580	
	Max. Insertion Loss @C P	0.8	1.0
	Typ. Insertion Loss @C P	0.5	0.7
	Typ. Peak of Signal Isolation	40	55
	Min. Signal Isolation(1550±15 for Single Stage 1550±30 for Dual Stage, at 23°)	30	45
	Max. PDL	0.1	0.15
	Max. PMD	0.25 ¹	0.05
Reflection Band	Wavelength Range	1270-1350 or 1450-1490	
	Max. Insertion Loss @C R	0.5	
	Typ. Insertion Loss @C R	0.3	
	Max. PDL	0.1	
Min. Return Loss	50		
Thermal Stability	0.005		
Max. Optical Power	300		
Max. Tensile Load	5		
Fiber Type	SMF-28 Fiber		
Operating Temperature	-5 to +70		
Storage Temperature	-40 to +85		

Low PMD version is available. PMD<0.05ps
 *Above specifications are for device without connector
 *For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

IWDM-31- - - - -
 IWDM-48- - - - -

Pump Type	Stage Type	PMD	Connector Type	Fiber Type	Fiber Length
1 - Forward Pump	1 - Single Stage	1 - 0.05ps max.	N - None	B - 250um bare fiber	1 - 1.0 m
2 - Backward Pump	2 - Dual Stage	2 - Refer to above spec	S - Specify	L - 900um loose tube	S - Specify
				S - Specify	