

Isolator/Filter Wavelength Division Multiplexer Hybrid 980/1550nm (IWDM Series)

The 980/1550 IWDM series combines Filter WDM and isolator into a compact package to offer cost saving solution. This device is ideal for fiber amplifier application to combine signal and pump wavelengths with very stable 1550nm signal isolation. It is designed and manufactured to Telcordia standard and is capable of high power handling.

➤ Specifications

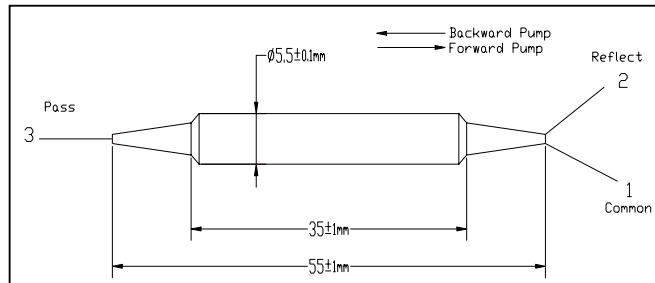
Parameters		Unit	Single Stage	Dual Stage
Pass Band	Signal Wavelength Range	nm	1530-1580	
	Typ.Insertion Loss	dB	0.6	0.8
	Max.Insertion Loss	dB	0.8	1.0
	Typ. Peak Isolation of the Signal Channel	dB	40	55
	Min.Signal Isolation at room temp. (1550±15 for single Stage,1550±30 for Dual Stage)	dB	30	45
	Max. PDL	dB	0.1	0.15
	Max. PMD	ps	0.25 ¹	0.05
Reflection Band	Wavelength Range	nm	950-1010	
	Typ.Insertion Loss@C→R	dB	0.3	
	Max.insertion Loss@C→R	dB	0.5	
	Max. PDL	dB	0.1	
	Min.Return Loss	dB	50	
	Thermal Stability	dB/	≤0.005	
	Max. Optical Power	mW	300	
Max. Tensile Load		N	5	
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-98- - - - -

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	Q - 0.75 m
2 - Backward Pump	2 - Dual Stage	2 - Refer to above spec.	S - Specify	L - 900um loose tube	S - Specify

* SMF-28 is used for Pass Port and HI 1060 is used for Reflect and Common Port.

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