

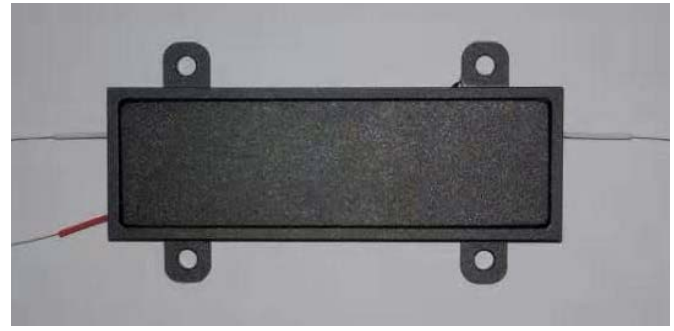
## High Power Wavelength Division Multiplexer

For High Power Fiber Lasers and Amplifiers

Our Wavelength Division Multiplexers (WDMs) are design to combine or separate two lasers of different wavelengths, with same or different input/output fibers. They are used to bring pump power into laser cavities, to enable pump lasers to amplify fiber lasers or amplifiers, or combine/separated two fiber lasers of different wavelengths.

Our WDMs are characterized with low insertion loss, high isolation, high polarization extinction ratio, high return loss, and high power handling capabilities. They are available at various wavelengths, configurations, and fiber types (SMF, LMAF, MMF, PM or Non-PM).

We can also integrate mode field matching functionality in the WDM when fibers of different mode field diameters are used for different fibers ports, to minimize the coupling loss and beam profile distortion.



### Features:

- Low insertion loss
- High Isolation
- Flat bandwidth
- High power handling
- High extinction ratio
- Integration with other functions
- Customer wavelength & configurations

### Applications:

- High power fiber lasers and amplifiers
- Medical Instrumentation

### Technical Data

Parameter	Unit	Specifications		
Operating Wavelength	nm	980/1030-1064	980/1550	1018/1030-1064
Pass Band	nm	1020 ~ 1080	1520 ~ 1580	1030-1080
Reflection Band	dB	960 ~ 990	960 ~ 990	980 ~ 1020
Pass Channel Isolation	dB	>25	>25	>25
Reflection Channel Isolation		>13	13	13
Pass Channel IL	dB	< 0.8	< 0.7	< 0.7
Reflection Channel IL	dB	< 0.6	< 0.6	< 0.6
Input Fiber		PM98, HI1060, or specify		
Output Fiber		PM98, HI1060, or specify		
Typical Extinction Ratio*	dB	>20	>20	>20
Retrun Loss	dB	>50	>50	>50
Power Handling	W	0.3, 0.5, 1, 10, 20 or specify		
Dimension	mm	70x 22 x 10 (LxWxH)		
Operating Temperature	°C	-5 -- 70		
Storage Temperature	°C	-40 -- 85		