

1064 980nm High Power PM Isolator WDM Hybrid

1064 980nm High Power PM Isolator WDM Hybrid is a fiber passive component which integrated with the function of WDM and fiber isolator, it can be used for combine signal wavelength and pump wavelength with a high isolation to avoid the backward wavelength, It's widely used in Fiber Laser and Fiber Amplifier application, higher power type is available upon request.

Application:

Fiber Laser
Fiber Amplifier
Testing System
Lab And Research

Features:

Compact Package
High Isolation
Low Insertion Loss
High Reliability



Specification:

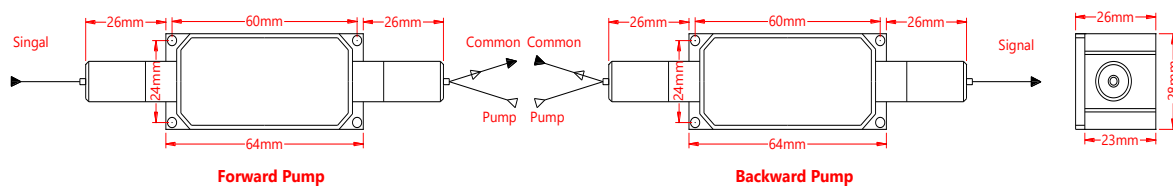
Parameter	Symbol	Value	Unit
Signal Wavelength	λ	1064 (1020~1100)	nm
Pump Wavelength	λ	980 (970-990)	nm
Typ. Peak Isolation (Signal Reflection)	Iso	32	dB
Min. Isolation (Signal Reflection)	Iso	25	dB
Max. insertion Loss for Signal	IL	1.4	dB
Min. Isolation (Common → Signal @Pump)	Iso	30	dB
Min. Isolation (Pump → Common @Signal)	Iso	15	dB
Max. insertion Loss for Pump	IL	0.6	dB
Min. Extinction Ratio	ER	18	dB
Max. Wavelength Dependent Loss	WDL	0.3	dB
Min. Return Loss	RL	50	dB
Min. Directivity		50	dB
Max. Optical Power (CW)	P	0.5, 1, 3, 5, 10, 20 or customized	W
Max. Peak Power	P	5, 10 or customized	KW
Max. Tensile Load		5	N
Fiber Type		PM 980 fiber for Com and Signal, PM 980 or HI 1060 for Pump	-
Operating Temperature	T	10~50	°C
Storage Temperature	T	0~60	°C
Package Dimension		64x28x26	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 °C.

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, RL will be 5dB lower.

Slow axis is default aligned to the connector key. Connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPIW- WWW - P - A - HH - FF - J - LL - CC							
WWW	P	A	HH	FF	J	LL	CC
Wavelength (Signal/Pump)	Pump Type	Working Axis	Handling Power	Fiber Type on Pump Port	Fiber Jacket	Fiber Length	Connector
3098 - 1030/980nm	F - Forward	F - Fast Axis Blocked	Z5 - 0.5W	P9 - PM 980	B - 250um Bare	05 - 0.5m	NE - None
4098 - 1040/980nm	B - Backward	B - Both Axes Working	01 - 1W	H1 - HI 1060	Fiber	10 - 1.0m	FA - FC/APC
5098 - 1050/980nm			03 - 3W	SS - Specify	9 - 900um Loose	15 - 1.5m	FU - FC/UPC
6498 - 1064/980nm			05 - 5W		Tube	20 - 2.0m	SS - Specify
SSSS - Specify			10 - 10W			SS - Specify	
			20 - 20W				
			SS - Specify				