



PM 980/1550 WDM-Isolator Hybrid

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
	Single	Dual
Stage	980/1550nm	
Operating Wavelength	980/1550nm	
Single Wavelength	1550 ±15nm	1550 ±30nm
Pump Wavelength	960~990nm	960~990nm
Insertion loss (Signal) @ 23°C, all SOP	≤ 1.1dB	≤ 1.2dB
Insertion loss (Pump)	≤ 0.60dB	≤ 0.60dB
Isolation (Signal) @ 23°C, all SOP	≥ 30dB	≥ 45dB
Extinction Ratio	Slow axis working: ≥ 22dB	
Extinction Ratio	Both axes working: ≥ 20dB	
Return Loss	≥ 50dB	
Directivity	≥ 55dB	
Optical Power	≤ 300mW	
PM Fiber Type (Common/Signal port)	PM1550	
PM Fiber Type (Pump port)	PM980	
Operating Temperature	0 to +70°C	
Storage Temperature	- 40 to +85°C	
Package Dimensions	A= Standard, Φ5.5xL34mm (250um fiber) Φ5.5xL38mm (900um fiber)	

FEATURES

- Low Insertion Loss
- High Extinction Ratio
- Compact In-Line Package
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATION

- Raman Amplifier
- Laboratory

Note:

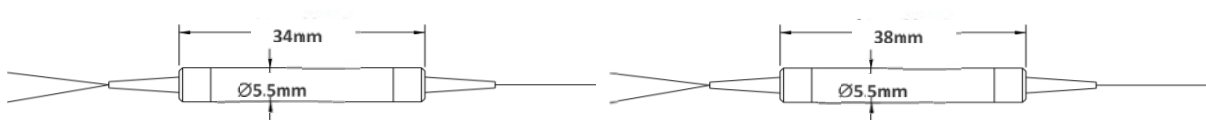
IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower with connectors.

All values referenced are without connector.

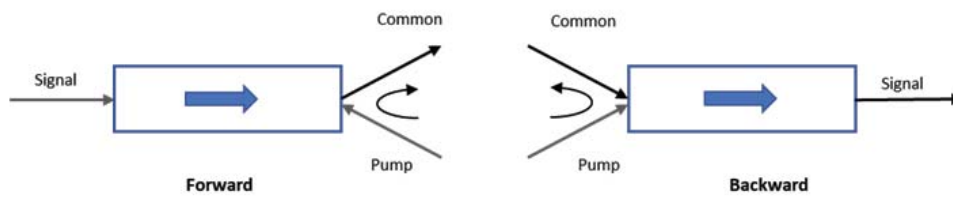
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MECHANICAL DIMENSIONS

A package:



PORT CONFIGURATIONS



ORDERING INFORMATION

PMWDIH <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>										
Stage	Operating Wavelength	Port	Package	Fiber Type Pump port	Fiber Type All other ports	Pigtail Style	Fiber Length	In Connector	Out Connector	Working axis
S=Single stage	9855=980/1550nm	F=Forward	A=Apackage	L=PM980	N=PM1550	1=Bare fiber	07=0.75m	0=None	0=None	S=Slow axis
D=Dual stage	9858=980/1585nm	B=Backward				2=900um loose tube	10=1.0m	1=FC/APC	1=FC/APC	B=Both axis
								2=FC/PC	2=FC/PC	F=Fast axis
								3=SC/APC	3=SC/APC	
								4=SC/PC	4=SC/PC	
								5=ST	5=ST	
								6=LC/UPC	6=LC/UPC	
								7=LC/APC	7=LC/APC	