High Power PM Isolator WDM Hybrid 1530~1565nm

Features

Pump / Signal Multiplexing
Low Insertion Loss
Low Cost
High Extinction Ratio
High Power Handling Capability

Applications

EDFAs
Fiber Lasers
Fiber Optical Test Equipment

Specifications

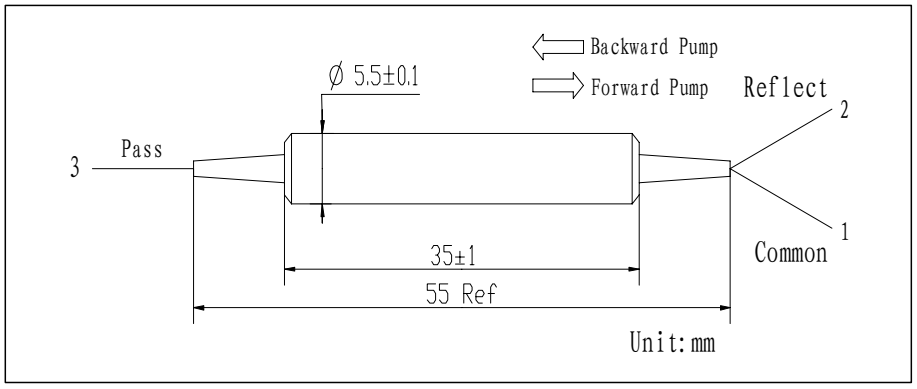
Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Signal Wavelength Range	nm	1530~1565	
	Typ. Insertion Loss@P→C or C→P	dB	0.7	0.8
	Max. Insertion Loss@P→C or C→P	dB	0.9	1.0
	Typ. Peak Signal Isolation, at 23℃	dB	40	55
	Min. Signal Isolation, at 23℃	dB	30	48
	Min. Extinction Ratio (only for F-Type)	dB	23	
	Min. Extinction Ratio (only for B-Type)	dB	20	
Reflect Band	Wavelength Range	nm	960~990 or 1460-1490	
	Typ. Insertion Loss@R→C	dB	0.5(for 1480nm pump); 0.6(for 980nm pump)	
	Max. Insertion Loss@R→C	dB	0.7(for 1480nm pump); 0.8(for 980nm pump)	
Min. Return Loss		dB	50	
Max. Optical Power (CW)		W	0.5 , 1 , 3 , 5 or Specify	
Max. Peak Power for ns Pulse		kW	10	
Max. Tensile Load		N	5	
Fiber Type			PM 1550nm panda fiber on Common & Pass ports, HI 1060(for 980nm Pump) or SMF-28e fiber(for 1480nm Pump) on Reflect port	
Operating Temperature		℃	-5 to +70	
Storage Temperature		℃	-40 to +85	

*Above specification are for device without connector

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower , ER will be 2dB lower and optical power is only 1000mW（CW）.

*The signal path is aligned to slow axis.

Package Dimensions



Ordering Information

HPMIWDM-①①①①-②-③-④-⑤⑤-⑥⑥⑥-⑦⑦⑦-⑧

①①①①:Signal & Pump Wavelength
5598 - 1550nm signal/980nm pump
5548 - 1550nm Signal/1480nm pump

②: Pump Type
F - Forward Pump
B - Backward Pump

③: Stage
S - Single Stage
D - Dual Stage

④: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑤⑤: Handling Power
0.5 - 0.5W
01 - 1W
SS - Specify

⑥⑥⑥ : Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
S - Specify
N - None

⑦⑦⑦: Fiber Jacket
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify

⑧: Fiber Length
0.8 - 0.8m
S - Specify