PM Isolator/WDM Hybrid 980/1550, 1480/1550

Features

Pump / Signal Multiplexing
Low Insertion Loss
Low Insertion Loss
High Extinction Ratio

Applications

Fiber Optical Test Equipment
EDFA
Fiber Lasers

Specifications

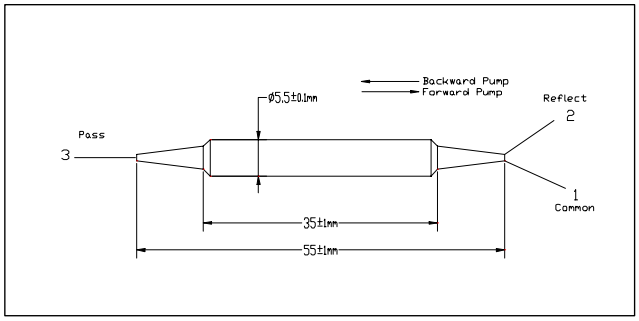
Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Wavelength Range	nm	1530~1565	
	Max. insertion Loss@P→C or @C→P	dB	0.9	1
	Typ. insertion Loss@P→C or C→P	dB	0.7	0.8
	Typ. Peak Signal Isolation, at room temperature		40	55
	Min. Signal Isolation, at room temperature	dB	30	48
	Min. Extinction Ratio(only for F-Type)	dB	23	
	Min. Extinction Ratio(only for B-Type)	dB	20	
Reflection Band	Wavelength Range	nm	960~990 or 1460-1490	
	Max. insertion Loss@R→C	dB	0.5	
	Typ. insertion Loss@R→C	dB	0.3	
Min. Return Loss		dB	50	
Max. Thermal Stability		dB/℃	0.005	
Max. Optical Power (CW)		mW	300	
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 1480nmPump) on Reflect port	
Operating Temperature		℃	-5 to +70	
Storage Temperature		℃	-40 to +85	

*Above specification are for device without connector

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower

*The signal path is aligned to slow axis.

Package Dimensions



Ordering Information

APMIWDM-①①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①: Wavelength
98 - 980nm
48 - 1480nm

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

⑤⑤⑤: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑥⑥⑥: Fiber Jacket on Port 1, 2
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify