



Mini Isolator WDM Hybrid

Features

- Pump / Signal Multiplexing
- Low Insertion Loss
- Low Cost
- Low Polarization Depender
- Small Package

Applications

- Compact EDFAs
- Fiber Lasers
- Fiber Optical Test Equipment

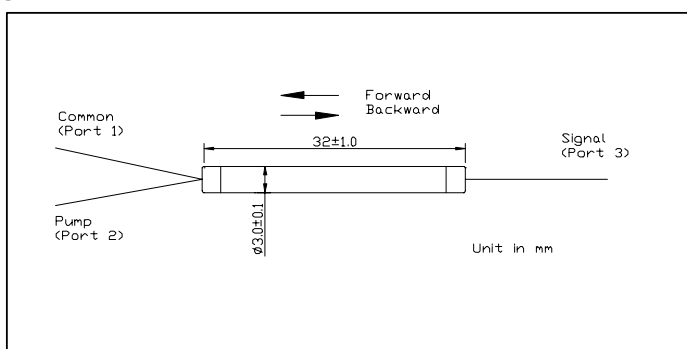
Specifications

Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Pass Band Signal Wavelength Range	nm	1530~1565	
Max. insertion Loss@P→C or @C→P	dB	0.9	1.0
Typ. insertion Loss@P→C or C→P	dB	0.7	0.8
Typ. Peak Signal Isolation, at 23 °C	dB	40	52
Min. Signal Isolation, at 23 °C	dB	28	45
Max. Polarization Dependent Loss	dB	0.1	0.15
Max. Polarization Mode Dispersion (PMD)	ps	0.25	0.1
Reflect 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. IL Thermal Stability	dB/°C	0.005	
Max. Optical Power CW	mW	300	
Max. Tensile Load	N	5	
Fiber Type	Corning SMF-28e on Common & Pass ports, HI 1060(for 980nm Pump) or SMF-28e fiber(for 1480nm Pump) on Reflect port		
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

*Above specification are for device without connector

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

Package Dimensions



Ordering Information

MIWDM-①①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦

- | | | |
|--|--|---|
| ①①: Pump Wavelength
98 - 980nm
48 - 1480nm | ④ : PMD
R - Refer to Above Spec.
S - Specify | ⑥⑥⑥ : Fiber Jacket
B - 250um bare fiber
L - 900um loose tube
S - Specify |
| ② : Pump Type
F - Forward Pump
B - Backward Pump | ⑤⑤⑤ : Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC | ⑦ : Fiber Length
1.0 - 1.0m
S - Specify |
| ③ : Stage Type
S - Single Stage
D - Dual Stage | 4 - SC/APC
S - Specify
N - None | |