

1550/980nm SM Isolator+WDM Hybrid

1550/980nm SM 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 EDFA and Fiber Amplifier application, higher power type is available upon request.

Application:

Fiber Laser
EDFA
Raman Amplifier
Lab And Research

Features:

Compact Package
High Isolation
Low Insertion Loss
High Reliability



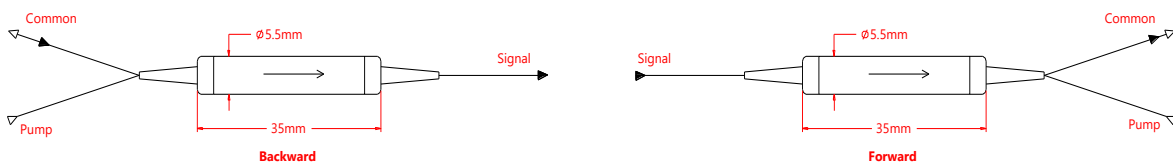
Specification:

Parameter		Symbol	Value		Unit
Isolator Stage			Single Stage	Dual Stage	-
Signal	Signal Wavelength Range	λ	1550 (1530-1565)		nm
	Typ. Peak Isolation (Signal Reflection)	Iso	40	55	dB
	Min. Isolation (Signal Reflection)	Iso	30	45	dB
	Min. Isolation (Com to Signal @Pump)	Iso	30		dB
	Max. insertion Loss	IL	0.9	1.0	dB
Pump	Pump Wavelength	λ	980 (970-990)		nm
	Min. Isolation (Com to Pump @Signal)	Iso	15		dB
	Max. insertion Loss	IL	0.6		dB
Max. Polarization Dependent Loss		PDL	0.1	0.15	dB
Max. Wavelength Dependent Loss		WDL	0.3		dB
Min. Return Loss		RL	50		dB
Min. Directivity			55		dB
Max. Optical Power (CW)		P	300		mW
Max. Tensile Load			5		N
Fiber Type			SMF-28e or HI 1060 for COM SMF-28e for Signal, HI 1060 for Pump		-
Operating Temperature		T	-5~70		°C
Storage Temperature		T	-40~85		°C
Package Dimension			$\Phi 5.5 \times L35$		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, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

SMTI-**WWW/WWW**-P-S-J-LL-CC

WWW/WWW	P	S	J	LL	CC
Wavelength (Signal/Pump)	Pump Type	Stage	Fiber Jacket	Fiber Length	Connector
1550/980 - 1550/980nm	F - Forward B - Backward	S - Single Stage D - Dual Stage	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify