

# Isolator WDM Hybrid

## Features:

- Wide Operating Wavelength Range
- High Isolation
- Compact Size

## Applications:

- EDFA
- Test Instrument



## Specifications:

Parameter	Unit	Single Stage	Dual Stage	Single Stage	Dual Stage
Central Wavelength	nm	C band: 1550/1480 L band: 1590/1480		1550/980	
Signal Channel Wavelength	nm	C band: 1528~1565 L band: 1569~1605		1528~1565	
Pump Channel Wavelength	nm	1450~1495		965~995	
Cross Talk (Signal Channel, $\lambda_p$ , 0~70 C, All SOP)	dB	30			
Cross Talk (Pump Channel, $\lambda_s$ , 0~70 C, All SOP)	dB	14			
Isolation ( $\lambda_s$ , 0~70 C, All SOP)	dB	21	36	21	36
Insertion Loss (Signal Channel, $\lambda_s$ , 0~70 C, All SOP)	dB	0.8	1.0	0.8	1.0
Insertion Loss (Pump Channel, $\lambda_p$ , 0~70 C, All SOP)	dB	0.6			
WDL ( $\lambda_s$ , 23 C, All SOP)	dB	0.3			
Directivity	dB	50			
PDL( $\lambda_s$ , 70 C, All SOP)	dB	0.15			
PMD	ps	0.25	0.1	0.25	0.1
Return Loss	dB	50			
Power Handling	mW	500			
Operating Temperature	°C	0~70			
Storage Temperature	°C	-40~85			
Package Dimension	mm	B: ( $\Phi$ )4.5×(L)35 for 250 $\mu$ m bare fiber S: ( $\Phi$ )5.5×(L)35 for 250 $\mu$ m bare fiber w/SS tube L & T: ( $\Phi$ )5.5×(L)40 for 900 $\mu$ m w/SS tube			

1. All specifications include the effect of all states of polarization.

2. Values referenced without connectors, insertion loss for a connector-pair is 0.20dB to 0.30dB.

3. Package dimension excludes rubber boot.