

WDM Isolator

Features:

- Wide Operating Wavelength Range
- Compact Size
- High Isolation

Applications:

- DWDM System
- Fiber Optic Instruments



Specifications^{1,2}:

Parameter	Unit	Single Stage	Dual Stage	Single Stage	Dual Stage
Central Wavelength (λ_c)	nm	1550/1480		1550/980	
Signal Channel Wavelength (λ_s)	nm	1528~1564		1520~1580	
Pump Channel Wavelength (λ_p)	nm	1450~1495		965~995	
Cross Talk (Signal Channel, λ_p , 0~70 °C, All SOP)	Min. dB			25	
Cross Talk (Pump Channel, λ_s , 0~70 °C, All SOP)	Min. dB			15	
Isolation ($\lambda_c \pm 15$ nm, 0~70 °C, All SOP)	Min. dB	21	36	21	36
Insertion Loss (Signal Channel, λ_s , 0~70 °C, All SOP)	Max. dB	0.9	1.1	0.9	1.1
Insertion Loss (Pump Channel, λ_p , 0~70 °C, All SOP)	Max. dB	0.60			
WDL (λ_s , 23 °C, All SOP)	Max. dB	0.30			
TDL	Max. dB/°C	0.004			
Directivity	Min. dB	55			
PDL(λ_c , 23 °C, All SOP)	Max. dB	0.15			
PMD	Max. ps	0.20	0.05	0.20	0.05
Return Loss	Min. dB	50			
Fiber Type		Corning SMF-28		HI 1060	
Fiber Length	Min. m	1.0			
Power Handling	Max. mW	1,000			
Operating Temperature	°C	0~70			
Storage Temperature	°C	-40~85			
Package Dimension	mm	$(\phi)5.5 \times (L)39$			

1. SOP=State of Polarization.

2. Values referenced without connectors.

Note: OEM products with different specifications and fiber are also available.

Configuration:

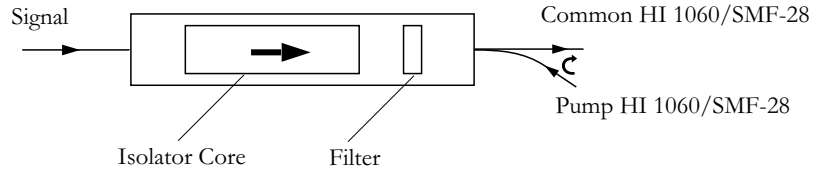


Figure 1. WDM Isolator Configuration (Forward Type)

Dimension:

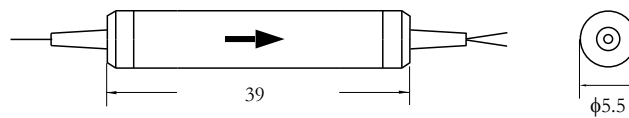


Figure 2. WDM Isolator

Order Information:

WISO - X - XXXX - XXXX - X - XXXX - XX
A B C D E F

A	Type	S=Single stage D=Dual stage
B	Pump Wavelength	0980=980 nm 1480=1480 nm
C	Signal Wavelength	1550=1550 nm
D	Isolator Type	0980=980 nm 1480=1480 nm
E	Fiber Type	250S=250 μm bare fiber 900L=900 μm loose buffer
F	Connector	NN=W/O connector XY=With connector ¹

1. Please specify type of connector as below when ordering.

Mechanical Type	SC	FC	ST	MU	LC
X	1	2	3	4	5
Physical Contact Type	PC	UPC	APC		
Y	1	2	3		