

WDM Isolator

Features:

- Wide Operating Wavelength Range
- Compact Size
- High Isolation
- RoHS Compliant



Applications:

- DWDM System
- Fiber Optic Instruments

Specifications^{1, 2}:

Parameter	Unit	Single Stage	Dual Stage	Single Stage	Dual Stage
Central Wavelength (l c)	nm	C band: 1550/1480 L band: 1590/1480		1550/980	
Signal Channel Wavelength (l s)	nm	C band: 1529~1568 L band: 1569~1605		1529~1568	
Pump Channel Wavelength (l p)	nm	1450~1495		965~995	
Cross Talk (Signal Channel, l p, 0~70°C, All SOP)	Min. dB	30			
Cross Talk (Pump Channel, l s, 0~70°C, All SOP)	Min. dB	14			
Isolation (l s, 0~70°C, All SOP)	Min. dB	21	36	21	36
Insertion Loss (Signal Channel, l s, 0~70°C, All SOP)	Max. dB	0.8	1.0	0.8	1.0
Insertion Loss (Pump Channel, l p, 0~70°C, All SOP)	Max. dB			0.60	
WDL (l s, 23°C, All SOP)	Max. dB			0.30	
Directivity	Min. dB			50	
PDL(l s, 70°C, All SOP)	Max. dB			0.15	
PMD	Max. ps			0.10	
Return Loss	Min. dB			50	
Fiber Type		Corning SMF-28e		HI 1060	
Fiber Length	Min. m			1.0	
Power Handling	Max. mW			500	
Operating Temperature	°C			0~70	
Storage Temperature	°C			-40~85	
Package Dimension	mm	(F)5.5 (L)36 for 250mm fiber			

1. SOP=State of Polarization.

2. Values referenced without connectors

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

Configuration:

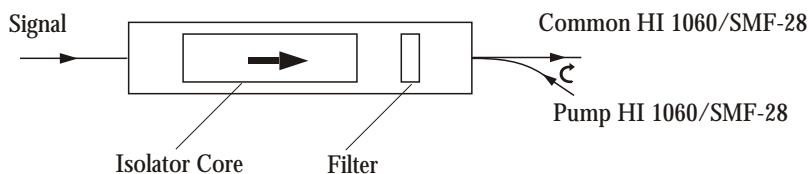


Figure 1. WDM Isolator Configuration

Dimension:



Figure 2. Package for 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=980nm 1480=1480nm
C	Signal Wavelength	1550=1550nm 1590=1590nm
D	Isolator Type	0980=980nm 1480=1480nm
E	Fiber Type	250S=250mm bare fiber
F	Connector	NN=W/O connector XY=With connector ¹

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

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		