

# High Power (Non-PM or PM)Isolator

### 1310nm or 1550nm

# **Description**

Isolators are directional optical component used in fiber optical module, EDFA, and communication systems.

## **Key Features**

High isolation

Low insertion loss

High return loss

## **Applications**

**EDFA** 

Communication systems Normal Size for non pm fiber Normal Size for pm fiber Higher Power Size Testing instruments

# **Specifications**

Type	Uni t	≦5W(PM or Non-PM Isolator)		5W-10W( Non-PM Isolator)	
		Single Stage	Dual Stage	Single Stage	Dual Stage
Center wavelength	nm	1310 or 1550			
Operating bandwidth	nm	±15			
Isolation@23℃	dB	≧30	≥46	≧30	≥46
Insertion loss typ.	dB	<b>≤</b> 0.40	<b>≤</b> 0.60	<b>≤</b> 0. 50	<b>≦</b> 0.60
Insertion loss	dB	<b>≤</b> 0.60	<b>≤</b> 0.80	<b>≤</b> 0.70	<b>≦</b> 0.80
PDL(for Non-PM isolatir)	dB	<b>≤</b> 0.1	<b>≤</b> 0. 15	<b>≤</b> 0. 1	<b>≦0.15</b>
Extinction ratio	dB	≥ 20(Type B)		/	/
(for PM isolator)		≥ 22(Type F)			
PMD(for Non- PM isolator)	ps	<b>≤</b> 0. 25	<b>≤</b> 0. 05	<b>≤</b> 0. 25	<b>≦</b> 0.05
Return loss		≧ 55	≧55	≧55	≧55
Power handling		≦5W		5W-10W	
Operating temperature		-5∽+70			
Storage temperature		-40∽+80			
Dimensions	mm	$\Phi$ 5.5XL30X(for Non-PM		L70*W12*H8	
		isolator)			
		$\Phi$ 5.5xL35(for PM Isolator)			



<sup>\*</sup>The above specification is without connector.

# Package Size:5.5x30,5.5x35,70\*12\*8 ect. Input/Output connector.FC/UPC,FC/APC ect. Average Power Handling:1=1W,5=5W,10=10W ect. C=Continue Working. P(!)=Pulse Peak Power(1kw)ect. Fiber Type :0=SMF-28e,4=other Pigtail Tyoe:0=250um,1=900um,4=other Operating Wavelength:1310=1310nm,1550=1550nm ect

blocked

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(for PMISO) B=Both Axis Working, F=Fast axis

HPISO:NON PM Fiber, HPMISO: PM Fibe

<sup>\*</sup>Other specifications can be made on customer request.

<sup>\*\*\*</sup>For PM Fiber B type-Both Axis Working. F type=Fast axis blocked.