

High Power PM Isolator

(1310nm, 1550nm)

Descriptions

The high power PM isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability.

Features

- ▶ High Isolation
- ▶ Low Insertion Loss
- ▶ High Return Loss
- ▶ High Extinction Ratio
- ▶ High stability & Reliability

Applications

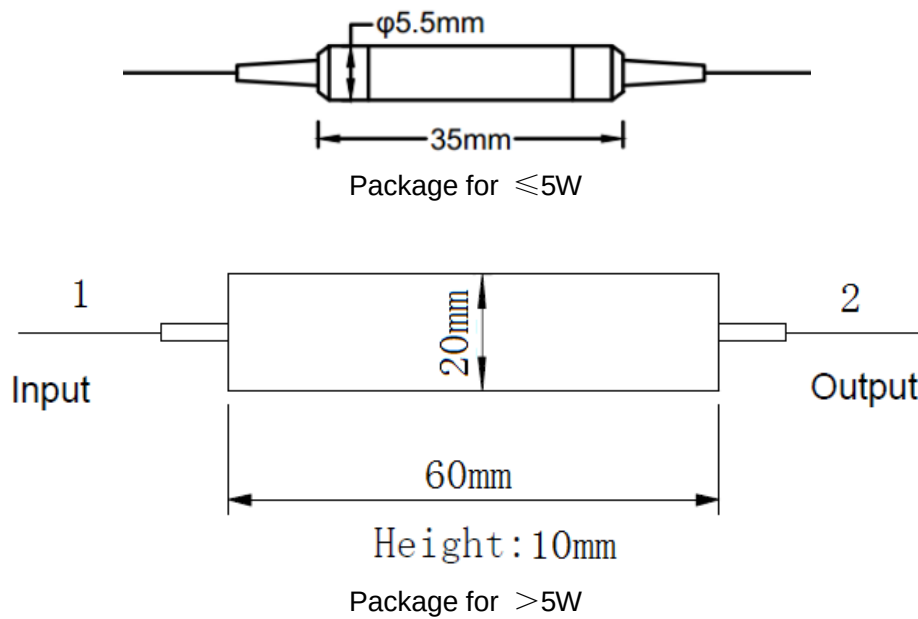
- ▶ Fiber Laser
- ▶ Testing Instrument
- ▶ WDM System

Specifications

Parameters		Unit	Value	
Stage		-	Single	Dual
Center Wavelength		nm	1310, 1480 , 1550,1590,1620	
Operating Wavelength Range		nm	±20	
Typ.Insertion Loss at 23℃		dB	0.35	0.4
Max.Insertion Loss at 23℃		dB	0.5	0.55
Typ.Isolation at 23℃		dB	42	58
Min.Isolation at 23℃		dB	28	48
Max.Polarization Dependent Loss		dB	0.08	0.10
Min. Extinction Ratio at 23℃		dB	20	
Return Loss(Input/output)		dB	57/55	
Max.Optical Power(CW)		W	1,2,3,5,10 or specify	
Package Dimension	Max.Power ≤ 5 W	mm	φ 5.5x35mm	
	Max.Power > 5 W	mm	L60xW20xD10mm	
Max. Tensile Load		N	5	
Fiber Type		-	PM Panda fiber	
Operating Temperature		℃	-5~+70	
Storage Temperature		℃	-40~+85	

Remark: The Above specifications is without connector. IL is 0.30dB higher, RL is 5dB lower and ER is 3dB lower for each connector added. The default connector key is aligned to slow, the connector handle power ≤1W

Package Dimensions



Ordering Information

HPMI - A - B - C - D - E - F - G - H		
A	Center Wavelength	1550=1550nm, 1480=1480nm, 1310=1310nm, etc
B	Stage	S=Single stage, D=Dual stage
C	Handling Power	1=1W,3=3W,5=5W,10=10W ,Customer Request
D	Fiber Type	PM1310, PM1550, or others
E	Pigtail Type	BF=Bare Fiber,0.9=0.9mm Tube, 2=2.0mm loose tube, 3=3.0mm loose tube
F	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC,SC/APC, FC/UPC, FC/APC, etc
G	Package Size	ϕ 5.5x35mm, 60x20x10mm, or others
H	Fiber length	003=0.3m, 005=0.5m; 010=1.0m 100=10m etc
For example: HPMI -1550 - S - 3 - BF- N - 5.5x35 - 010		