



High Power PM Band Pass Isolator

I&Optics' high power PM fiber band pass isolator can filter out the unwanted wavelength, transmit the signal with very low loss and block the reversed light. It features high handling power, low insertion loss, high extinction ratio, high isolation and flat band property. It can be used in lasers, telecom, sensors, Instruments, testing systems and R&D.

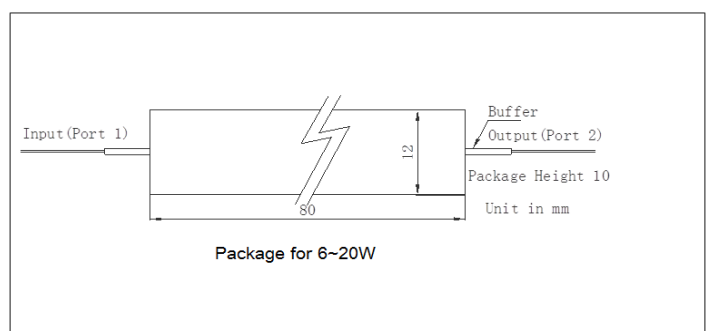
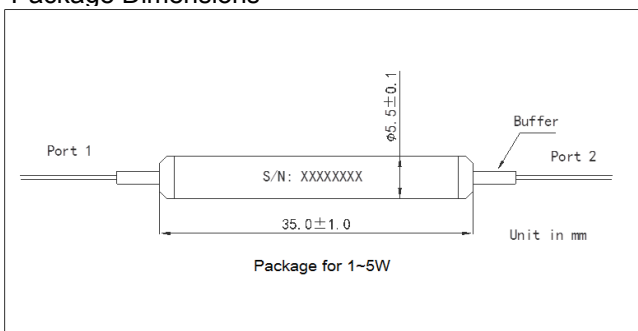
Specification

Parameter	Test Condition	Unit	Value	
Port Configuration	-	-	1x1	
Isolator Stage Number	-	-	Single	Dual
Working Axis of PM Fiber	-	-	Both Axes Working	
Nominal Center Wavelength	Port 1 to Port 2	nm	1550 or Specify	
Pass Band Wavelength	Port 1 to Port 2	nm	+/-0.11, +/-0.25, +/-1.0 or Specify	
Reject Band Wavelength	Port 1 to Port 2	nm	1500~CWL-0.7 / 1.4 / 3.0 & CWL+0.7 / 1.4 / 3.0~1630	
Max. Pass Band IL	Port 1 to Port 2	dB	0.9, Typ. 0.7	1.0, Typ. 0.8
Min. Reject Band Isolation	Port 1 to Port 2	dB	25, Typ. 30	
Min. Reversed Isolation	at 23°C, Port 2 to Port 1	dB	30, Typ. 38	50, Typ. 55
Min. Extinction Ratio	at 23°C, at Slow or Fast Axis, Port 1 to Port 2	dB	20, Typ. 22	
Min. Return Loss	-	dB	50	
Max. Power Handling Rate	CW, Total Power	W	1, 3, 5	
Fiber Type	-	-	PM 1550 Panda Fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 70	
Storage Temperature	-	°C	-40 to 85	

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher, ER will be 2dB lower, return loss will be 5dB lower and handling power will be only 1W.

The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions



Ordering Informations

HPMBPBI-①-②-③-④-⑤-⑥

① - Center Wavelength

1550 - 1550.0nm

SSSS - Specify

② - Pass / Reject Band Width

0.22 - Pass Band 0.22nm, Reject Band 1.4nm

0.50 - Pass Band 0.5nm, Reject Band 2.8nm

0206 - Pass Band 2nm, Reject Band 6nm

SSSS - Specify

③ - Isolator Stage Number

S - Single Stage

D - Dual Stage

④ - Connector Type on port 1/2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑤ - Fiber Jacket on Port 1/2

B - Bare Fiber

L - 900um Loose Tube

⑥ - Fiber Length

0.8 - 0.8m