



1x2 High Power Fiber PBCS Isolator

I&Optics' 1x2 high power fiber polarization splitter / combiner isolator can split an input light into two orthogonal linear polarization portions or combine two linear polarization lights into one and meanwhile block the reversed light. It features very low insertin loss, very high extinction ratio and high isolation. It can be used in lasers, telecom, amplifiers, sensors, testing systems and R&D.

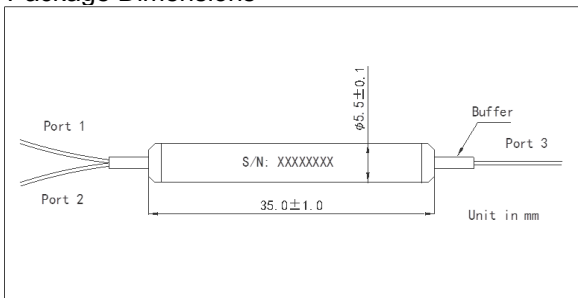
Specification

Parameter	Test Condition	Unit	Value	
Model Type	-	-	H-Type	
Isolator Number	-	-	Single	Dual
Nominal Center Wavelength	-	nm	1310, 1460, 1550 or Specify	
Wavelength Range	-	nm	+/-20	+/-40
Max. Insertion Loss	Port 3 ↔ Port 1/2, Proper SOP	dB	0.7, Typ. 0.55	0.8, Typ. 0.65
Min. Extinction Ratio	at 23°C, at Slow Axis of Port 1/2, at Both Axis of Port 3 (only for PM Fiber)	dB	21, Typ. 23	
Min. Return Loss	at Center Wavelength	dB	55	
Max. Power Handling Rate	Continuous Wave, Total Power	W	3 or Specify	
Fiber Type	-	-	SM or PM Panda fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 70	
Operating Relative Humidity	Non-Condense	%	0 to 95	
Storage Temperature	-	°C	-40 to 85	
Storage Relative Humidity	Non-Condense	%	0 to 95	

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 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



We are very pleased to do our best to provide customized package for optimizing.

Ordering Informations

HIPBS-①-②-③-④-⑤-⑥-⑦-⑧

HIPBC-①-②-③-④-⑤-⑥-⑦-⑧

① - Center Wavelength

31 - 1310nm

46 - 1460nm

55 - 1550nm

SS - Specify

④ - Fiber Type on port 1/2/3

5 - SMF-28e Fiber

6 - PM 1310 Panda Fiber

7 - PM 1550 Panda Fiber

⑤ - Port 3 Alignment

1 - SM Fiber on Port 3

2 - Slow Axis 45° to Port 1

3 - Slow Axis 0° to Port 1

⑥ - Connector Type on port 1/2/3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

② - Model Type

H - H Type

③ - Isolator Stage

S - Single

D - Dual

⑦ - Fiber Jacket on Port 1/2/3

B - Bare Fiber

L - 900um Loose Tube

⑧ - Fiber Length

0.8 - 0.8m