



# High Power Isolator Polarization Beam Combiner/Splitter 1310nm~1550nm

## Features

High Power Handling  
Compact High Performance  
High Extinction Ratio  
Low Insertion Loss  
High Power Handling Capability

## Applications

Polarization Mode Dispersion Compensator  
EDFA & Raman Amplifier  
Coherent Telecommunication Systems  
Fiber Optic Sensor  
High Directivity

## Specifications

Parameter	Unit	Values	
Stage	-	Single stage	Dual stage
Center Wavelength	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Insertion loss	dB	0.65	0.75
Max. Insertion loss	dB	0.9	1.0
Typ. Isolation	dB	38	52
Min. Isolation @23°C	dB	20	42
Min. Extinction Ratio (for Splitter only)	dB	20	20
Min. Return Loss	dB	50	
Min. Directivity	dB	50	
Max. Optical Power (CW)	W	1, 3, 5 or Specify	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

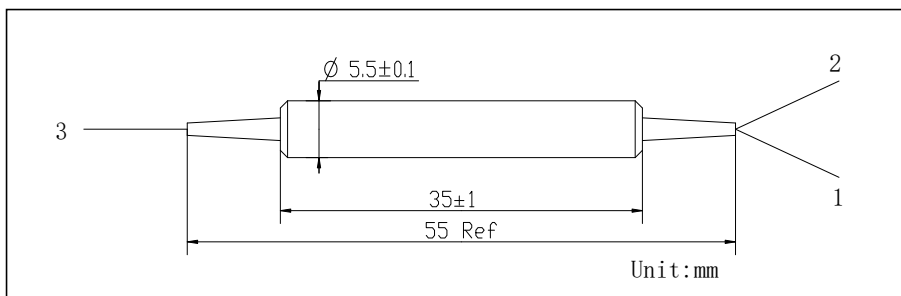
\* Above specifications are for device without connector.

\* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower and optical power is only 1W(CW).

\* The PM fiber and the connector key are aligned to the slow axis.

\* The material must be RoHS compliant.

## Package Dimensions



## Ordering Information

HIPBC-①①-②-③③-④④④-⑤⑤⑤-⑥-⑦

HIPBS-①①-②-③③-④④④-⑤⑤⑤-⑥-⑦

①: Wavelength 1310 - 1310nm 1480 - 1480nm 1550 - 1550nm S - Specify	④④④: Connector Type on Port 1, 2 & 3 1B - FC/UPC 2B - FC/APC (Step) 3D - SC/UPC 4D - SC/APC (Step) N - None S - Specify	⑥⑥: Fiber Type 05B - Port 1, 2&3: PM1300 06B - Port 1, 2&3: PM14XX 07B - Port 1, 2&3: PM1550 13B - Port 1&2: PM1300, Port 3: SMF-28e 14B - Port 1&2: PM14XX, Port 3: SMF-28e 15B - Port 1&2: PM1550, Port 3: SMF-28e 19 - Port 1, 2&3: SMF-28e S - Specify	⑦: Axis Alignment on Port 3 1 - SM Fiber, Align to Port 1 & 2 Slow Axis 2 - PM Fiber, Slow Axis Align 45° to Port 1 3 - PM Fiber, Slow Axis Align to Port 1 4 - All Ports are SM Fiber S - Specify
②: Stage S - Single Stage D - Dual Stage	⑤⑤⑤: Fiber Jacket on Port 1, 2 & 3 B - Bare Fiber C - 900um Red Loose Tube (PM Fiber) F - 900um White Loose Tube (SM Fiber)	⑧: Fiber Length 0.8 - 0.8m S - Specify	
③③: Handling Power 01 - 1W SS - Specify	⑨: Package Dimensions 01 - Ø5.5×35 S - Specify		