



High Power 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	
		Grade P	Grade A
Grade	-	Grade P	Grade A
Center Wavelength	nm	1310,1480 or 1550	
Operating Wavelength Range	nm	±40	
Typ. Insertion loss	dB	0.6	0.7
Max. Insertion loss	dB	0.8	0.9
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	22	20
Min.PDL 23°C (only for SMF-28e Fiber on all ports)	dB	20	
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	
Fiber Type	-	PM Panda Fiber on Port 1 & 2 or Specify	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

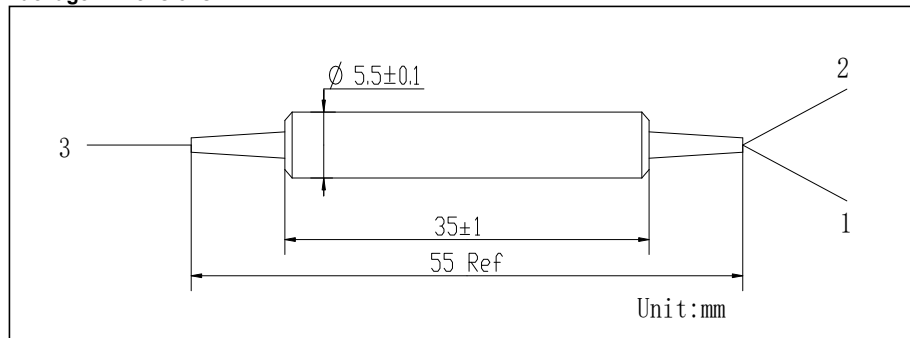
*Above specifications are for device without connector.

*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 1000mW(CW).

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

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

HPBC-①①①①-②-③-④④-⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨-⑩

HPBS-①①①①-②-③-④④-⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨-⑩

- | | | | |
|--|---|---|--|
| ①①①①: Wavelength
1310 - 1310nm
1480 - 1480nm
1550 - 1550nm
S - Specify | ⑤⑤⑤: Connector Type on Port 1, 2 & 3
1B - FC/UPC
2B - FC/APC
3B - SC/UPC
4B - SC/APC
N - None
S - Specify | ⑦: Fiber Type
05B - Port 1, 2&3: PM1300
07B - Port 1, 2&3: PM1550
13B - Port 1&2: PM1300, Port 3: SMF-28e
15B - Port 1&2: PM1550, Port 3: SMF-28e
19 - Port 1, 2&3: SMF-28e
S - Specify | ⑨: Fiber Length
0.8 - 0.8m
S - Specify |
| ②: Grade
P - Premium
A - A Grade | ⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3
B - Bare Fiber
C - 900um Red Loose Tube
F - 900um White Loose Tube
S - Specify | ⑧: 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 | ⑩: Package Type
01 - Ø5.5×35
S - Specify |
| ③: Port
1 - 1x2 | | | |
| ④④ : Handling Power
01 - 01W
SS - Specify | | | |