High Power 1064nm Polarization Beam Combiner/Splitter

Features

High Power Handling
High Extinction Ratio
Low Insertion Loss
High Return Loss
High Power Handling Capability

Applications

Fiber Lasers
Raman Amplifier
Sensors

Specifications

Parameter	Unit	Values	
Grade	-	Grade P	Grade A
Center Wavelength	nm	1064	
Operating Wavelength Range	nm	±20	
Typ. Insertion Loss	dB	0.8	0.9
Max. Insertion Loss	dB	1	1.1
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	22	20
Min.PDL 23°C (only for HI1060 Fiber on all ports)	dB	20	
Min. Directivity	dB	50	
Max. Optical Power (CW)	W	0.5, 1, 1.5, 2 or Specify	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Operating Temperature	℃	-5 to + 70	
Storage Temperature	℃	-40 to +85	

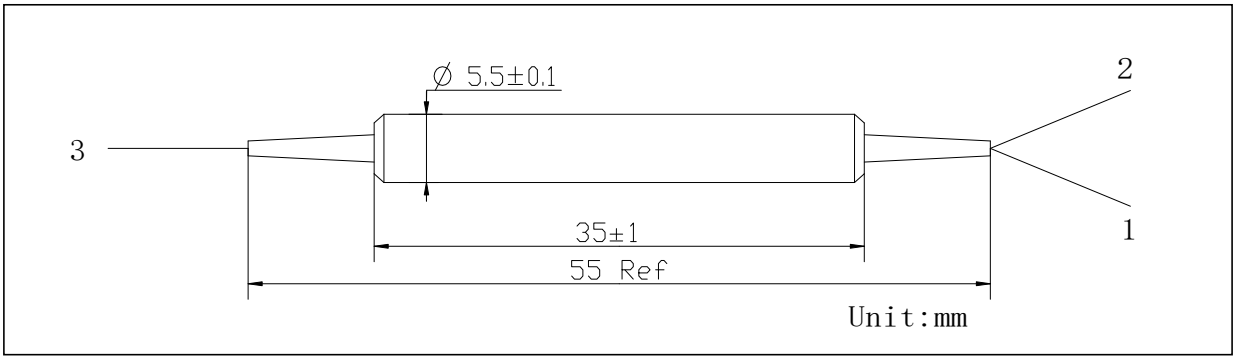
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.5dB 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-①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨

HPBS-①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨

①: Wavelength
1064 - 1064nm
S - Specify

②: Grade
P - Premium
A - A Grade

③: Port
1 - 1x2

④: Handling Power
01 - 1W
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

⑥⑥⑥: Fiber Jacket on Port 1, 2 &3
B - Bare Fiber
C - 900um Red Loose Tube
E - 900um Black Loose Tube
F - 900um White Loose Tube
SS - Specify

⑥: Fiber Type
03A - Port 1, 2&3: PM980
11A - Port 1&2: PM980, Port 3: HI 1060 Fiber
S - Specify

⑦: Axis Alignment on Port 3
1 - HI 1060 Fiber
2 - PM Panda Fiber, Slow Axis align 45°to Port 1
3 - PM Panda Fiber, Slow Axis align to Port 1
4 - All ports are HI1060
5 - PM Fiber, Fast Axis Align to Port 1
6 - PM Fiber, Slow Axis Align to Port 1 and Fast Axis Align to Port 2

⑧: Fiber Length
0.8 - 0.8m
S - Specify

⑨: Package Type
01 - Ø5.5×35