Polarization Beam Combiner/Splitter (High ER)

Features

Compact High Performance
High Extinction Ratio
Low Insertion Loss
High Directivity

Applications

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

Specifications

Parameter	Unit	Values		
Center Wavelength	nm	1310,1480 or 1550		
Operating Wavelength Range	nm	±40		
Typ. Insertion loss	dB	0.4		
Max. Insertion loss	dB	0.6		
Min. Return Loss	dB	50		
Grade of Extinction Ratio	-	P1	P2	P3
Min. Extinction Ratio (for Splitter only)	dB	28	30	32
Min.PDL 23°C (only for SMF-28e Fiber on all ports)	dB	20		
Min. Directivity	dB	50		
Max. Optical Power (CW)	mW	500		
Max. Tensile Load	N	5		
Fiber Type		PM Panda Fiber on Port 1 & 2 or Specify		
Operating Temperature	℃	-5 to +70		
Storage Temperature	℃	-40 to +85		

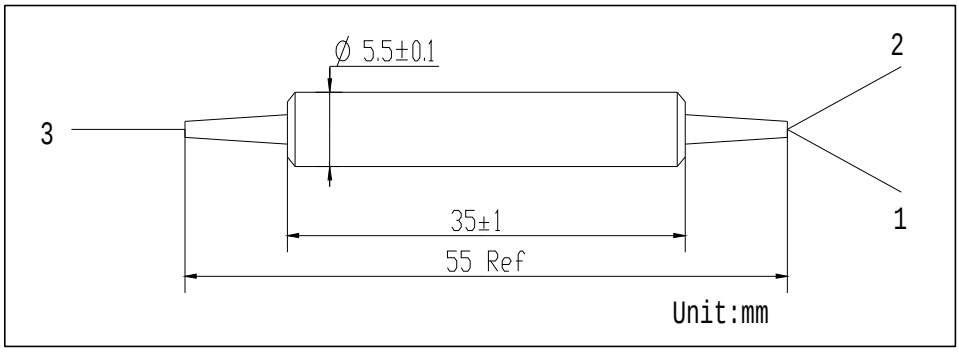
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

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

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

PBC-HER-①①-②-③-④④④-⑤⑤⑤-⑥-⑦

PBS-HER-①①-②-③-④④④-⑤⑤⑤-⑥-⑦

①①: Wavelength
31 - 1310nm
48 - 1480nm
55 - 1550nm
SS - Specify

②: Grade of Extinction Ratio
P1 - 28dB
P2 - 30dB
P3 - 32dB

③: Port
1 - 1x2

④④④: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑤⑤⑤: Fiber Jacket on Port 1, 2 & 3
B - 250um Bare Fiber
D - 400um Bare Fiber (only for PM Fiber)
L - 900um Loose Tube
S - Specify

⑥: Fiber Type on Port 3
1 - SMF-28e 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 SMF-28e
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify