

High Power Polarized Light Combination/Splitter

Features

- High extinction ratio
- Low insertion loss
- High stability and reliability

Application

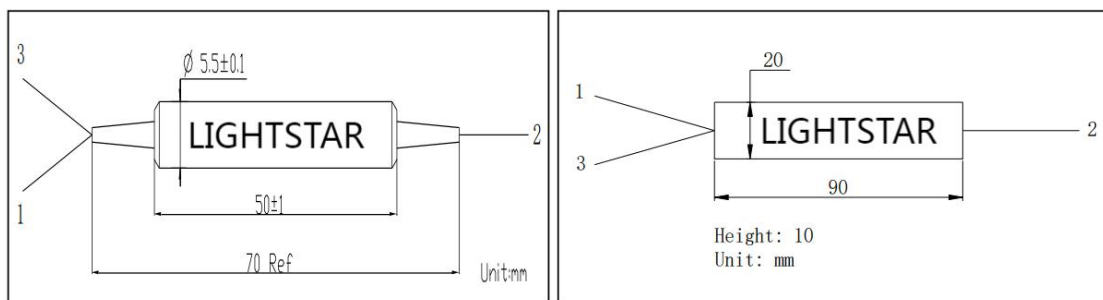
- Optical fiber sensing
- EDFA&Polarization mode dispersion compensator
- Raman fiber amplifiers

Specifications

Parameter		Value				
Wavelength(nm)		1580,1550,1480,1450,1310	1064,1030	980	850	780
Operating bandwidth(nm)		±40	±20	±20	±20	±20
Typical insertion loss(dB)		0.40	0.60	0.70	0.80	1.0
Insertion loss(dB)		≤0.60	≤0.80	≤0.9	≤1.0	≤1.2
Extinction ratio(dB) (Only for PBS)		≥22		≥20		
Directivity(dB)		≥50				
Return loss(dB)		≥50				
Power(W)		1,2,3,5				
Fiber type	Port 1 & 2	PM 1310&PM1550	PM980	PM 850		
	Port 3	SMF-28e or PM1310&PM1550	HI 1060 or PM 980	HI 780 or PM 850		
Operating temperature(°C)		-5 ~ +70				
Storage temperature(°C)		-40 ~ +80				
Package dimensions(mm)		φ5.5 × L35 (only for bare fiber or 900um loose tube)				
		L90*W20*H9 (ABS) (only for 3mm or 2mm cable)				

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

HPBS/C-①①①①-②②-③③③-④-⑤-⑥-⑦

①①①①: Operating wavelength
 1550=1550nm
 1064=1064nm
 SSSS=Specify

②②: Power
 01=1W
 05=5W
 SS=Specify

③③③: Fiber type
 008=SMF-28e
 001=PM1550
 SSS=Specify

④: Package dimensions
 0= φ5.5x35mm
 5=90*20*9mm
 S=Specify

⑤: Pigtail type
 1=250um bare fiber
 2=900um loose tube
 S=Specify

⑥: Length
 H=0.5m
 1= 1.0m
 S=Specify

⑦: Connector
 0=None
 1=FC/UPC
 2=FC/APC
 S=Specify