

## High Power Polarized Light Combination/Splitter

### Features

High extinction ratio  
Low insertion loss  
High stability and reliability

### Application

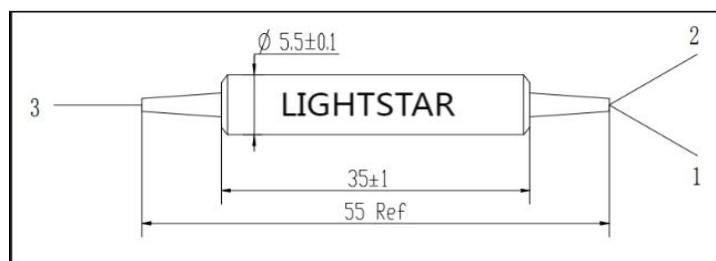
Optical fiber sensing  
EDFA&Polarization mode dispersion compensator  
Raman fiber amplifiers

### Specifications

Parameter		Value				
Wavelength(nm)		1580, 1550, 1480, 1450, 1310	1064, 1030	980	850	780
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