780-2050nm Polarization-preserving beam splitter/buncher

Features

- Low insertion
- High return loss
- High extinction ratio
- High stability

Application

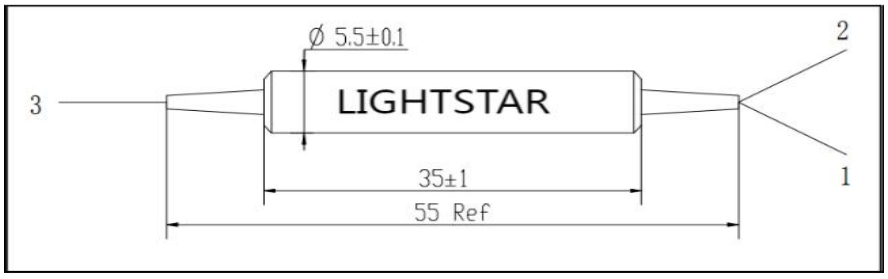
- Fibre optic current sensor
- Fiber Sensing & Fiber Lasers
- Optical fiber gyro
- Coherent telecommunication system

Specifications

Parameter		Unit	Value							
Rank			P	A	P	A	P	A	P	A
Central wavelength		nm	2050, 2000,1950		1550,1480,1310		1064,1030,980		850,808, 780	
Operating wavelength range		nm	±40		±40		±20		±10	
Typical insertion loss@23°℃		dB	0.6	0.8	0.4	0.5	0.6	0.7	0.6	0.7
Maximum insertion loss@23℃		dB	1.0	1.2	0.6	0.7	0.8	0.9	0.8	0.9
Minimum extinction ratio@23 ℃		dB	20	18	22	20	22	20	22	20
Minimum directivity		dB	50							
Minimum return loss		dB	50							
Maximum optical power(CW)		mW	300							
Maximum tensile load		N	5							
Fiber type	port1& 2		PM Panda fiber							
	port 3		SM fiber or PM Panda fiber							
Operating temperature		℃	-5~+70							
Storage temperature		℃	-40~+85							

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

PBS/C-①①①①-②-③③③-④④④-⑤-⑥-⑦-⑧-⑨

①①①①:Wavelength

0698=T1064nm/R980nm
0698=T1064nm/R980nm
SSSS=Specify

②:Type

P=Perfect grade
A=A grade

③:Working axis

1=SM Fiber to PM Fiber
2=PM Fiber to PM Fiber, Port 3
3=PM Fiber to PM Fiber, Port 3

④④④:Port3

Fiber type
001=PM1550
008=SMF-28E
SSS=Specify

⑤⑤⑤:Port1.2

Fiber type
001=PM1550
003=PM980
SSS=Specify

⑥:Package dimensions

0= φ5.5x35mm
S=Specify

⑦:Length

H=0.5m
1= 1.0m
S=Specify

⑧:Pigtail type

1=250um bare fiber
2=900um loose tube
S=Specify

⑨:Connector

0=None
1=FC/UPC
2=FC/APC
S=Specify