2000nm High Power Polarization-maintaining Isolator

Features

- Low insertion loss
- High extinction ratio and isolation
- Excellent environmental stability

Application

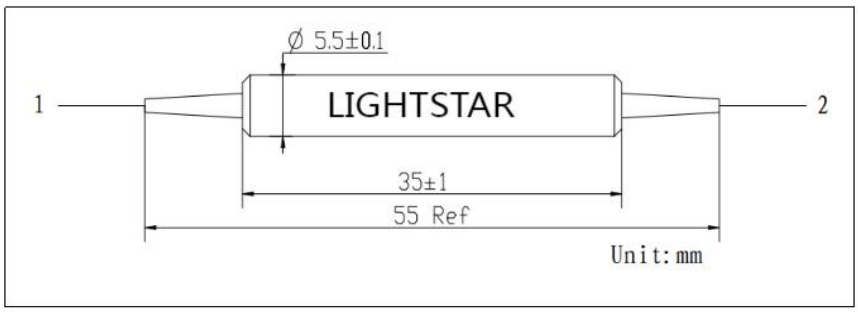
- Fiber laser
- Optical fiber amplifier
- Fiber optic sensor

Specifications

Parameter	Unit	Value	
Type		Single stage	Double stage
Central wavelength(λc)	nm	2000	
Bandwidth	nm	±50	
Isolation 23℃	dB	18	32
Insertion loss23℃	dB	0.8	1.0
Maximum insertion loss-5℃-70℃	dB	1.2	1.4
Minimum extinction ratio(only for B type)	dB	18	
Minimum extinction ratio(only for F type)	dB	20	
Return loss(Input/Output)	dB	50/50	
Power(CW)	W	1, 3, 5 or Specify	
Maximum tensile load	N	5	
Fiber type		PM 1550 Fiber , PM 1950 Fiber or Specify	
Operating temperature	℃	-5 to +70	
Storage temperature	℃	-40 to +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

HPMIS-①①①①-②②-③-④④④-⑤-⑥-⑦-⑧

①①①①:Wavelength
2000=2000nm

②②Power
01=1W
05=5W
SS=Specify

③:Working axis
B=Biaxial operation
F=Fast axle cutoff

④④④:Fiber type
003=PM980
SSS=Specify

⑤:Rank
S=Single stage
D=Double stage

⑥:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑦:Length
H=0.5m
1= 1.0m
S=Specify

⑧:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify