

1165nm High Power Polarization Independent Isolator(5-100W)

Features

Low insertion loss
High return loss and Isolation
Excellent environmental stability

Application

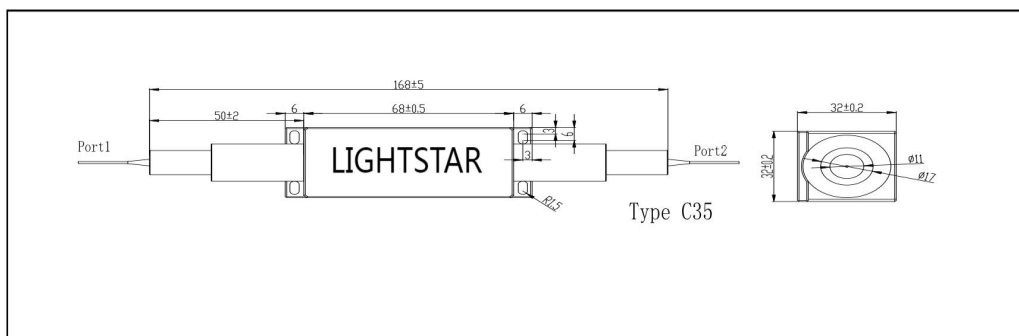
Pulse fiber laser
Optical fiber amplifier
Optical fiber sensing

Specifications

Parameter	Unit	Value	
Central wavelength(λ_c)	nm	1165	
Bandwidth	nm	± 15	
Peak isolation	dB	25-32	
Isolation 23°C	dB	20	
Typical insertion loss	dB	0.9	
Maximum insertion loss 23°C	dB	1.3	
Return loss(Port1/Port2)	dB	50/50	
Polarization dependent loss	dB	0.25	
Power(CW)	W	5	50, 100
Maximum tensile load	N	5	
Input fiber type (Port 1)		HI1060 Fiber or Specify	Nufern LMA-GSF-10/125-M NA0.075 Fiber or Specify
Output fiber type (Port 2)		HI1060 Fiber or Specify	LMA-GDF-10/125-M NA0.075 Fiber or Specify
Operating temperature	°C	-5 to +50	
Storage temperature	°C	-20 to +75	

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

HPIIS-①①①①-②②-③③③③-④-⑤-⑥

①①①①:Wavelength
1165=1165nm
SSSS=Specify

④:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

②②:Power
05=5W
50=50W
SS=Specify

⑤:Length
H=0.5m
1= 1.0m
S=Specify

③③③:Fiber type
004=HI1060
017=LMA-GSF-10/125-M
SSS=Specify

⑥:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify