

850nm Broadband Polarization Independent Isolator($\pm 50\text{nm}$)

Features

Low insertion loss
High return loss
High isolation

Application

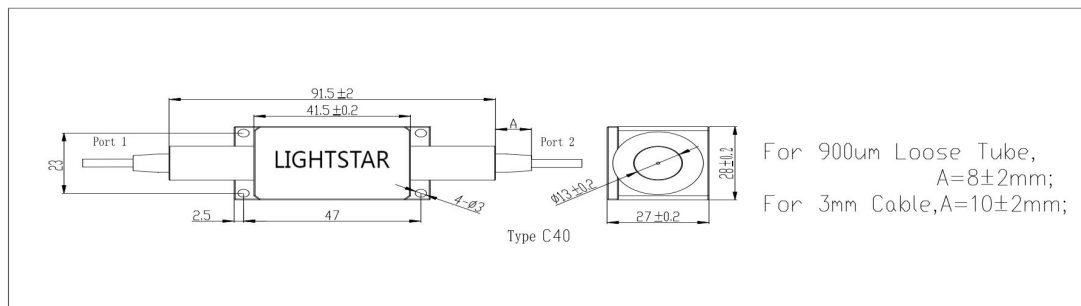
Fiber laser
Optical fiber amplifier
Laboratory investigation

Specifications

Parameter	Unit	Value
Central wavelength(λ_c)	nm	850
Bandwidth	nm	± 50
Maximum polarization dependent loss 23°C , λ_c	dB	0.15
Maximum isolation	dB	28~32
Isolation 23°C	dB	23
Insertion loss 23°C , λ_c	dB	1.0
Maximum insertion loss 23°C	dB	1.3 @ $850\pm 30\text{nm}$, 1.7 @ $850\pm 40\text{nm}$, 2.0 @ $850\pm 50\text{nm}$
Return loss(input/output)	dB	50/50
Power(CW)	W	0.3 , 0.5 or specify
Maximum tensile load	N	5
Fiber type		HI 780 Fiber
Operating temperature	$^\circ\text{C}$	0 to $+60$
Storage temperature	$^\circ\text{C}$	-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

PIIS-①①①①-②②-③③③-④-⑤-⑥

①①①①: Wavelength
0850=850nm
SSSS=Specify

②②: Power
00=300mW
01= 1W
SS=Specify

③③③: Fiber type
006=HI780
SSS=Specify

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

⑤: Length
H=0.5m
1= 1.0m
S=Specify

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