

850nm Broadband Polarization Insensitive Isolator

Features

Low Insertion Loss
High Isolation
High Power Handling
High Return Loss

Applications

Fiber Laser
Instrumentation
Fiber Amplifier
Lab Research

Specifications

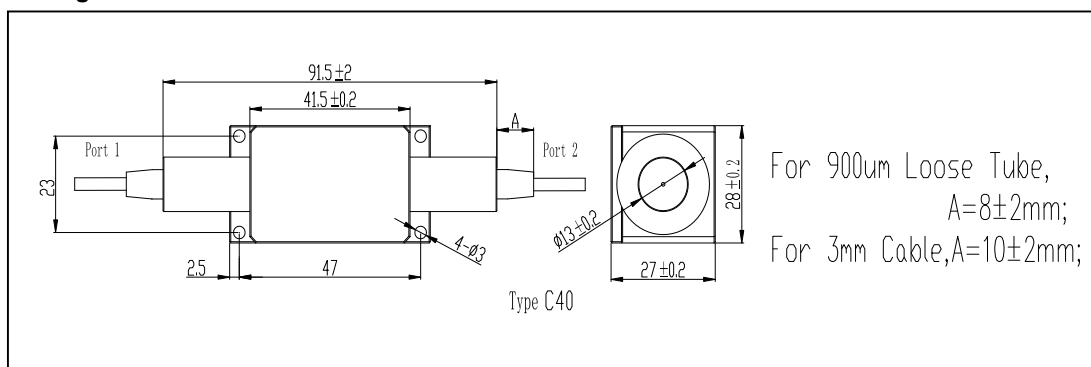
Parameters	Unit	Values
Center Wavelength (λ_c)	nm	850
Operating Wavelength Range	nm	± 50
Max. PDL at 23°C, λ_c	dB	0.15
Typ. Isolation	dB	28~32
Min. Isolation at 23°C	dB	23
Typ. Insertion Loss at 23°C, λ_c	dB	1.0
Max. Insertion Loss at 23°C	dB	1.3 @ 850 $\pm$ 30nm, 1.7 @ 850 $\pm$ 40nm, 2.0 @ 850 $\pm$ 50nm
Min. Return Loss (Input/Output)	dB	50/50
Max. Optical Average Power	W	0.3 , 0.5 or Specify
Max. Tensile Load	N	5
Operating Temperature	°C	0 to +60
Storage Temperature	°C	-20 to +75

*Above specifications are for device without connector.

*For devices with connectors, IL will be 1dB higher, RL will be 5dB lower, handling power will be only 1W(CW).

*The material must be RoSH compliant.

Package Dimensions



Ordering Information

BI-①①-②-③-④④-⑤⑤-⑥⑥-⑦⑦

①①: Wavelength

85 - 850nm

SS - Specify

②: Package Type

C40 - Type C40

③: Handling Power

0.3 - 300mW

0.5 - 500mW

④④: Connector Type on Port 1 & 2

1A - FC/UPC

2A - FC/APC(Step)

3A - SC/UPC

4A - SC/APC(Step)

5A - FC/APC(Cone)

6A - SC/APC(Cone)

N - None

S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2

B - Baer Fiber

F - 900um Loose Tube(White)

S - Specify

⑥⑥: Fiber Length

1 - 1.0m

S - Specify

⑦⑦: Fiber Type

112- Nufern HI780-HP fiber