

Optizone 1064nm High Power Polarization Insensitive Isolator—Type A43/B43

Features

- Low Insertion Loss
- High Power Handling
- High Isolation
- Low PDL
- Low Cost

Applications

- Optical Fiber Amplifier
- Fiber Optic Sensor
- Instrumentation

Specifications

Isolator Type		A43	B43
Center Wavelength	nm	1064	
Typ. Peak Isolation	dB	35	
Min. Isolation at 23°C	dB	28	
Typ. Insertion Loss at 1064nm , 23°C	dB	1.4	1.4
Max. Insertion Loss at 1064nm , 23°C	dB	1.7	1.7
Max. Insertion Loss at 1064nm @ 1.0W , 23°C	dB	2.0	1.8
Max. Insertion Loss at 1064nm @ 1.5W , 23°C	dB	2.5	2.0
Max. Insertion Loss at 1064nm @ 2.0W , 23°C	dB	-	2.5
Min. Return Loss (Input/Output)	dB	50/50	
Max. Polarization Dependent Loss, 23°C	dB	0.15	
Max. Optical Power (CW)	W	1.0 or specify	2.0 or specify
Max. Peak Power	kW	10@1ns	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +50	
Storage Temperature	°C	-20 to +75	

*Above specifications are for device without connector.

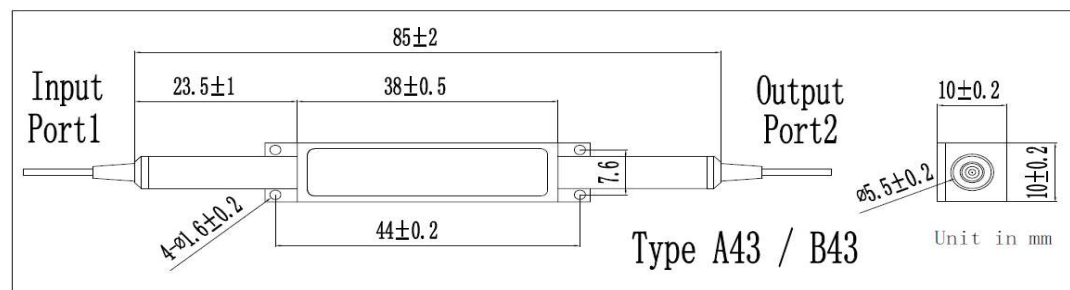
*For devices with connectors, IL will be 0.7dB higher, RL will be 5dB lower and handling power will be 1W CW or lower.

*Package size indicated is for standard choose, if special size is required, please discuss with Optizone.

*Please provide the details of pulse conditions including pulse width, repetition, peak power for inquiries if necessary.

*The material must be RoSH compliant.

Package Dimensions



Ordering Information

HP11-①①-②-③③-④④-⑤⑤-⑥-⑦/⑦

①①: Wavelength
06 - 1064nm
S - Specify

②: Type
A43 - Type A43
B43 - Type B43

③③: Handling Power
01 - 1W
02 - 2W

④④: Connector Type on Port 1 & 2
1A - FC/UPC
2A - FC/APC(Step)
3A - SC/UPC
4A - SC/APC(Step)
N - None
S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2
B - Baer Fiber
F - 900um Loose Tube(White)

⑥: Fiber Length
1 - 1.0m
S - Specify

⑦/⑦: Fiber Type
1 - HI 1060
2 - 10/125 N.A 0.08
35 - SCF-UN-10/125 NA0.08
72- LMA-GDF 10/125-M NA0.075
10 - Nufern LMA-GDF-20/125-M NA0.08
S - Specify