

2000 nm Polarization Insensitive Isolator

Model #: PISI, PIDI

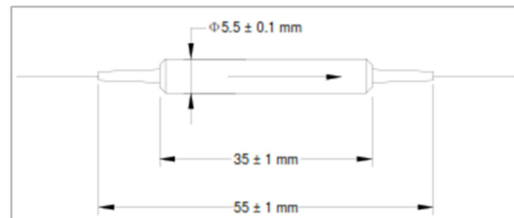
Description: 2000 nm Polarization Insensitive Isolator

Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications	
		Single Stage	Dual Stage
Central Wavelength	nm	2000	
Min. Isolation ($\lambda c \pm 50$ nm, 23°C, all polarization states)	dB	16	35
Max. Insertion Loss ($\lambda c \pm 20$ nm, all temperature, all polarization status)	dB	1.3	1.5
Min. Return Loss (input / output)	dB	50	
Max. Polarization Dependent Loss	dB	0.2	0.2
Max. Optical Power (CW))	W	1 or 2	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	
Dimension	mm	5.5 (D) x 35 (L)	
Fiber Type		SMF-28 fiber or Nufern SM-1950 fiber	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL. The optical power is 1 W only if connector added.



Ordering Information:

Single Stage: PISI-AAAA-B-C-D-E-F-G

Dual Stage: PIDI-AAAA-B-C-D-E-F-G

AAAA: wavelength	B: power handling	C: connector type	D: fiber jacket	E: fiber length	F: fiber type	G: signal type
2000 – 2000 nm	1 – 1 W	1 - FC/UPC	B - 250 μ m Panda fiber	1 – 1.0 m	1 – SMF-28	P – pulse application
XX - Other	2 – 2 W	2 - FC/APC	L - 900 μ m loss tube	X - other	2 – Nufern SM 1950	C - CW
	X - other	3 - SC/UPC	X- Other			
		4 - SC/APC				
		N - none				
		X - other				