

1064 nm Polarization Insensitive Isolator

Model #: PIFI

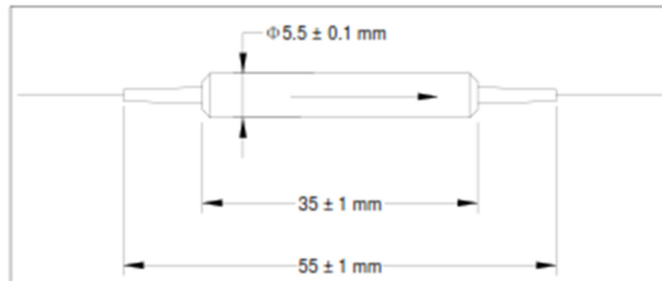
Description: 1064 nm polarization insensitive isolator

Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications			
		Single Stage		Dual Stage	
		A Grade	P-Grade	A-Grade	P-Grade
Central Wavelength	nm	1064			
Typ. Insertion Loss (λ_c , 23 °C, all polarization states)	dB	1.6	1.5	2.6	2.4
Max. Insertion Loss (λ_c , -5 °C to +50 °C, all polarization states)	dB	2.2	2.0	3.6	3.4
Typ. Peak Isolation	dB	38	40	52	55
Min. Isolation (λ_c , 23 °C, all polarization states)	dB	28	30	42	45
Max. Polarization Dependent Loss (23 °C)	dB	0.15			
Min. Return Loss (Input / Output)	dB	55/50			
Max. Optical Power (CW)	mW	300			
Max. Peak Power for ns Pulse	kW	10			
Max. Tensile Load	N	5			
Operating Temperature	°C	-5 to +50			
Storage Temperature	°C	-40 to + 85			
Dimension	mm	5.5 (D) x 35 (L)			
Fiber Type		Hi 1060			

Note: Each connector may contribute extra 0.5 dB IL, 5 dB lower RL.



Order Information:

Single Stage: PIFI-AA-B-C-D-F-G

Dual Stage: PIDI-AA-B-C-D-F-G

AA: wavelength	B: isolator stage	C: grade	D: connector type	E: fiber jacket	F: fiber length	G : power type
06 – 1064 nm	1 – single stage	P – P-grade	1 - FC/UPC	B - 250 μ m bare fiber	1 – 1.0 m	P – pulsed signal
XX - other	2 – dual stage	A – A-grade	2 - FC/APC	L - 900 μ m loss tube	X - other	C – CW
			3 - SC/UPC	X - other		
			4 - SC/APC			
			N - none			
			X - other			