

1064 nm Polarization Sensitive Isolator

Model #: PSFI

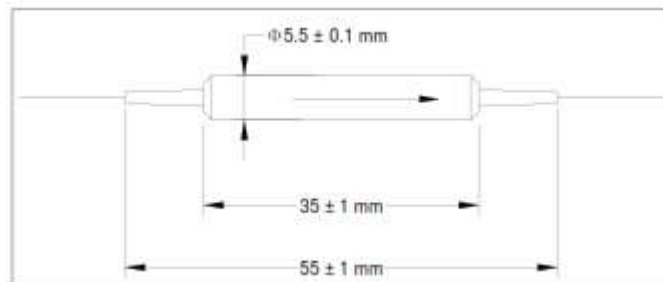
Description: 1064 nm polarization sensitive isolator

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	30	32	42	45
Min. Polarization Dependent Loss (23 °C)	dB	20			
Min. Return Loss (Input / Output)	dB	55/50			
Max. Optical Power (CW)	mW	300			
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		HI1060			

Note: Each connector may contribute extra 0.5 dB IL, 5 dB RL lower. Connector key is aligned to slow axis.



Order Information:

PSFI-06-A-B-C-D-E

A: isolator stage	B: grade	C: connector type	D: fiber jacket	E: fiber length
1 – single stage	P – P-grade	1 - FC/UPC	B - 250 μ m bare fiber	1 – 1.0 m
2 – dual stage	A – A-grade	2 - FC/APC	L - 900 μ m loss tube	X - other
		3 - SC/UPC	X - other	
		4 - SC/APC		
		N - none		
		X - other		