



2000nm High Power Optical Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks



SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	2000	
Isolation ($\lambda_c \pm 50\text{nm}$, 23°C)	dB	≥ 16	≥ 30
Insertion Loss (λ_c , 23°C)	dB	≤ 1.0	≤ 1.3
Insertion Loss ($\lambda_c \pm 20\text{nm}$, 0-70°C)	dB	≤ 1.3	≤ 1.6
Optical Return Loss (Input/Output)	dB	50/45	50/45
PDL (23°C)	dB	≤ 0.2	
PMD	-	≤ 0.25	≤ 0.30
Fiber Type	-	SMF-28e Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	$(\Phi)5.5 \times 35$	

- Note:**
1. Specifications are for devices without the connectors
 2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, Optical Power will be only 1W.
 3. Devices for higher optical power and pulse power are also available per request.

ORDERING INFORMATION

FISO- NNNN	- C	-HP	N	- C	NN	- CC/CCC
Center Wavelength	Stage.	Optical Power	Fiber Sleeve	Fiber Length	Connector Type	
2000=2000nm	S= Single Stage D= Dual Stage	1=1W 2=2W	B=Bare Fiber L=Loose Tube	10=1.0m 15=1.5m 20=2.0m	N =Without Connector FC/APC=FC/APC Connector LC/PC =LC/PC Connector	