

960~1000nm High Power Dual Stage PM Isolator

FEATURES

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

APPLICATIONS

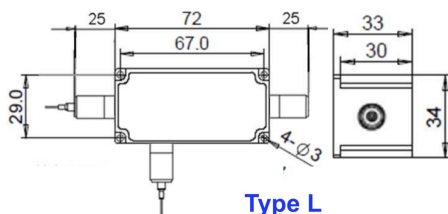
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

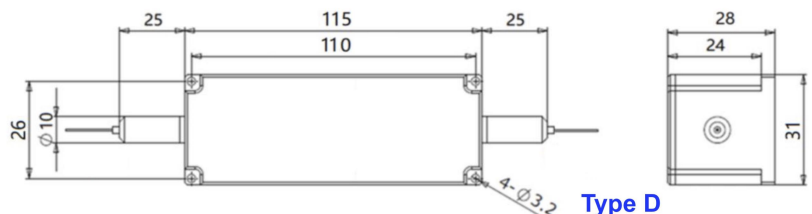
Parameter	Unit	High Power Type	
Center Wavelength (λ_c)	nm	975, 980, 990, 1000	
Operating Wavelength Range	nm	+/-10	
Peak Isolation (Typ.)	dB	40	
Min. Isolation (23°C)	dB	35	
Typical Insertion Loss (λ_c , 23°C)	dB	1.0	
Max. Insertion Loss (λ_c , 23°C)	dB	1.6	
Optical Return Loss (Input/Output)	dB	45/45	
Extinction Ratio @ 23°C (Min.)	dB	18	
Working Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Configuration	-	-	Standard: 2-Port; Y Type: 3-Port, Backward Power Guide Out
Fiber Type	Input&Output	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
	3 rd Port (Y Type)	-	Same Fiber or 105/125um MM Fiber
Fiber Tensile Load	N	-	5
Max. Optical Power (CW)	W	-	0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50
Max. Backward Optical Power (CW)	W	-	0.3, 0.5, 1, 2, 3, 5, 10
Operating Temperature	°C	-	0~50
Storage Temperature	°C	-	-20~75

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Suggest to use Y type for >20W Optical Power or continuous backward power of $\geq 500\text{mW}$.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 - Package dimensions may be different for different fiber type, configuration and optical power.

PACKAGE DIMENSION



Type L



Type D

ORDERING INFORMATION (PN)

FPIS-NNNN	- C	C	(C)	-HPNN	- (NN)	- C	C	NN	- CC/CCC
Center Wavelength	Type	Type	3 rd Port Fiber	Optical Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
980~980nm	L-Type L	S= S Type	Y= Same Fiber	05~500mW	05~500mW	2~PM980Fiber	B= Bare Fiber	05~0.5m	N=Without Connector
975~975nm	D-Type D	F= F Type	A=105/125um Fiber	1~1W	1~1W	E~PM1060L Fiber	L= Loose Tube	10~1.0m	FC/APC=FC/APC Connector
990~990nm			Blank for Standard	10~10W	10~10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15~1.5m	LC/PC=LC/PC Connector
1000~1000nm				30~30W	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector

