

## 2000nm Optical Inline Polariser

### 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
- Dispersion Compensation
- Research Labs



### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1950, 2000	1900, 2050
Bandwidth	nm	+/-30	+/-20
Insertion Loss @ 23°C	(Typ.)	dB	0.7
	(Max.)	dB	1.3
Extinction Ratio @ 23°C	(Typ.)	dB	25
	(Min.)	dB	20
Optical Return Loss	dB	≥50	
Configuration	D Type	-	2-port, Standard
	Y Type	-	3-port, Fast axis blocked light guide out
Fiber Type at 3 <sup>rd</sup> Port (Only for Y Type)	-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber	
Fiber Type	SM Fiber	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O), 25/250um DC Fiber (R)
	PM Fiber	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O), 25/250um PMDC Fiber (R)
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. Suggest to use Y type if blocked optical power is >1W.
  4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  5. 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.

### ORDERING INFORMATION (PN)

FILP-NNNN	-	C	C	(C)	- (C)	(C)	C	NN	- CC/CCC
Center Wavelength	Input Fiber	Output Fiber	3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1900-1900nm	P= PM Fiber	P= PM Fiber	P= Same Fiber	M= Metal Box	V= SM1950 or PM1950 Fiber	B= Bare fiber	05=0.5m	N= Without Connector	
1950-1950nm	S= SM Fiber	S= SM Fiber	S= Corr. SM Fiber	Blank for SST	O= 10/130 DC or PMDC Fiber	L= Loose Tube	10= 1.0m	FC/APC= FC/APC Connector	
2000-2000nm			S= 50/125um MM Fiber		R= 25/250 DC or PMDC Fiber	2= 2mm Cable	15= 1.5m	LC/PC= LC/PC Connector	
2050-2050nm			Blank for D Type		Blank for SMF-28 Fiber or PM1550 Fiber	3= 3mm Cable	20= 2.0m	SC/UPC= SC/UPC Connector	