

## 1600-1790nm Optical High Power 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	1625, 1650, 1700, 1730, 1750, 1790	
Bandwidth	nm	+/-20	
Insertion Loss @ 23°C	(Typ.)	dB	0.7
	(Max.)	dB	1.2
Extinction Ratio @ 23°C	(Typ.)	dB	26
	(Min.)	dB	23
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 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	PM Fiber	-	PM1550 Panda Fiber, 10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x35 (≤5W); ∅6.0x48 (5~10W)
	Metal Box	mm	L90x <sup>W</sup> 12x <sup>H</sup> 10 (>10W); L120x <sup>W</sup> 12x <sup>H</sup> 10 (≤10W)

**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.

6. Package size may be different for different fiber type, configuration and optical power

### ORDERING INFORMATION (PN)

FILP-NNNN	-	C	C	(C)	-HP NN	- (C)	(C)	C	NN	- CC/CCC
Center Wavelength	Input Fiber	Output Fiber	3rd Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1625-1625nm	P= PM Fiber	P= PM Fiber	P= Same Fiber	1= 1W	M= Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
1700-1700nm	S=SM Fiber	S=SM Fiber	S=Corr. SM Fiber	5= 5W	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
1730-1730nm			S=50/125um MM Fiber	10=10W	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
1790-1790nm			Blank for D Type	20=20W		Blank for SMF-28 Fiber or PM1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	

