2000nm High Power 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	0.8	
	(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 3rd 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)		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	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)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.

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*
1900=1900nm	P= PM Fiber	P= PM Fiber	P= Same Fiber	1= 1W	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	5= 5W	*Blank* for SST	O=10/130 DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000=2000nm			5=50/125um MM Fiber	10=10W	or >10W	R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050=2050nm			*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