2000nm Optical Inline Polariser for Pulse Power

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, 1970, 2000, 2030	1900, 2050, 2090, 2110
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. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5x38 (≤5W); Ø6.0x48 (5~10W)	
	Metal Box	mm	L90xW12xH10 (>10W); L120xW12xH10 (≤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) -HNN PNN - (C) (C) C NN - CC/CCC

Center Wavelength	Input Fiber	Output Fiber	3rd Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900=1900nm	P= PM Fiber	P= PM Fiber	P= Same Fiber	03=300mW	01=100W	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	1= 1W	1= 1kW	Blank for SST	O=10/130 DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000=2000nm	F= PM Fiber/Fast Axis	F= PM Fiber/Fast Axis	5=50/125um MM Fiber	5= 5W	5= 5kW	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	10=10W	10=10kW		Blank for SMF-28 Fiber or PM1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector