

975~1000nm 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	975, 980, 990, 1000	
Bandwidth	nm	+/-15	
Insertion Loss @ 23°C	(Typ.)	dB	0.7
	(Max.)	dB	1.0
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 rd Port (Only for Y Type)	-	-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber
Fiber Type	SM Fiber	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	PM Fiber	-	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)
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	∅5.5x35 (≤5W); ∅6.0x50 (5~10W)
	Metal Box	mm	L90x ^W 12x ^H 10 (>10W); L120x ^W 12x ^H 10 (≤10W)

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB 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- NNN	- C	C	(C)	- H NN	P NN	- (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
975-975nm	P- PM Fiber	P- PM Fiber	P- Same Fiber	03-300mW	01-100W	M-Metal Box	E=10/125 SC or PM1060L Fiber	B- Bare fiber	05-0.5m	N-Without Connector
980-980nm	S-SM Fiber	S-SM Fiber	S-Corr. SM Fiber	1- 1W	1- 1kW	Blank for SST	Q=20/130 DC or PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
990-990nm			S=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
1000-1000nm			Blank for D Type	10-10W	10-10kW		Blank for HI1060 or PM980 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector