

## 750~850nm 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	760, 780, 793, 808, 830, 850	
Bandwidth	nm	+/-10	
Insertion Loss @ 23°C	(Typ.)	dB	0.7
	(Max.)	dB	1.4
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	-	HI780 Fiber or 780-HP Fiber
	PM Fiber	-	PM850 Fiber or PM780-HP Fiber
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	L90 <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 0.7dB 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	
780~780nm	P= PM Fiber	P= PM Fiber	P= Same Fiber	03~300mW	01~100W	M= Metal Box	7= 780HP Fiber	B= Bare fiber	05~0.5m	N= Without Connector	
793~793nm	S= SM Fiber	S= SM Fiber	S= Corr. SM Fiber	1= 1W	1= 1kW	Blank for SST	or PM780-HP Fiber	L= Loose Tube	10~1.0m	FC/APC=FC/APC Connector	
830~830nm			5=50/125um MM Fiber	5= 5W	5= 5kW	or >10W	Blank for HI780 Fiber	2= 2mm Cable	15~1.5m	LC/PC=LC/PC Connector	
850~850nm			Blank for D Type	10~10W	10~10kW		or PM850 Fiber	3= 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector	