

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
	(Max.)	dB
Extinction Ratio @ 23°C	(Typ.)	dB
	(Min.)	dB
Optical Return Loss	dB	≥50
Configuration	D Type	-
	Y Type	-
Fiber Type at 3 rd Port (Only for Y Type)	-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber
Fiber Type	SM Fiber	-
	PM 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
	Metal Box	mm

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Suggest to use Y type if blocked optical power is >1W.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.
 - 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	F= PM Fiber/Fast Axis	F= PM Fiber/Fast Axis	S=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