

1020~1150nm 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	1020, 1030, 1040, 1053 1064, 1070, 1080	1092, 1103 1120, 1150
Bandwidth	nm	+/-20	+/-10
Insertion Loss @ 23°C	(Typ.)	dB	0.5
	(Max.)	dB	0.8
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. 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	∅5.5x35 (≤5W); ∅6.0x50 (5~10W)
	Metal Box	mm	L90x ^W 12x ^H 10 (>10W); L120x ^W 12x ^H 10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB 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-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
1030= 1030nm	P= PM Fiber	P= PM Fiber	P= Same Fiber	1= 1W	M= Metal Box	E= 10/125 SC or PM1060L Fiber	B= Bare fiber	05=0.5m	N= Without Connector
1064= 1064nm	S= SM Fiber	S= SM Fiber	S= Corr. SM Fiber	5= 5W	Blank for SST	Q= 20/130 DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1080=1080nm	F= PM Fiber/Fast Axis	F= PM Fiber/Fast Axis	S= 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
1120=1120nm			Blank for D Type	20=20W		Blank for HI1060 or PM980 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

