



1030nm PM Bandpass Filter/Isolator Hybrid ($\geq 10\text{nm BW}$)

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1030	
Min. Pass Band Width @ 0.5dB	nm	10, 13, 20	
Stop Band @25dB	10nm Bandwidth	1000~1020&1040~1100	
	13nm Bandwidth	1000~1018&1042~1100	
	20nm Bandwidth	960~1014&1046~1100	
Insertion Loss@23°C	dB	≤ 4.6	≤ 8.3
Signal Isolation (23°C)	dB	≥ 20	≥ 40
Configuration	D Type	-	2-port
	Y Type	-	3-port, (Blocked Wavelength Guide Out)
	X Type	-	4-port, (Both Block Wavelength Guide Out)
Fiber Type at 3 rd or 4 th Port (Y/X Type)	-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber	
ASE Direction	Forward Type	-	Bandpass Filter is before isolator
	Backward Type	-	Bandpass Filter is after isolator
	Twin Type	-	Bandpass Filter is at both sides of isolator
Optical Return Loss	dB	≥ 45	
Extinction Ratio	dB	≥ 20	
Work Mode	S Type	-	Can only work in slow axis
	F Type	-	Can work both in slow axis and fast axis
Fiber Type	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
Max. Optical Power (CW)	mW	50	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	(Φ)5.5x35
Dimension	Metal Box	mm	(L)120x(W)12x(H)10

- 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.
 - Only guarantee 50mW 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.

ORDERING INFORMATION (PN)

Stage	Bandwidth	ASE Type	Work Mode	3rd Port Fiber	4th Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	100=10nm	F= Forward	S= S Type	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage	130=13nm	B=Backward	F= F Type	S=Corr. SM Fiber	S=Corr. SM Fiber	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	200=20nm	T=Twin		5=50/125um Fiber	5=50/125um Fiber		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				Blank for D Type	Blank for D&Y Type		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector