

780~850/1900~1970nm High Power WDM/Isolator PM Hybrid Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks

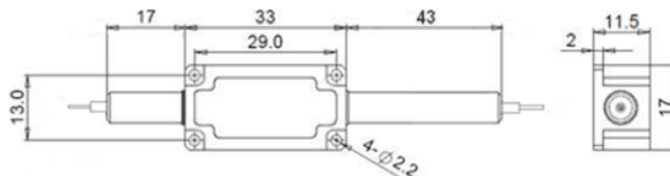


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	1900 \pm 10, 1930 \pm 20, 1950 \pm 20, 1970 \pm 20		
Pump Wavelength Range λ_2	nm	780 \pm 10, 793 \pm 10, 808 \pm 10, 830 \pm 10, 850 \pm 10		
Insertion Loss	Signal Channel@ λ_1	dB	\leq 1.6	\leq 2.0
	Pump Channel@ λ_2	dB	\leq 1.3	
Signal Isolation (Signal Channel@ λ_1)	dB	\geq 10	\geq 25	\geq 25
Signal/Pump Wavelength Isolation	dB	\geq 25/12		
Optical Return Loss	dB	\geq 45		
Extinction Ratio	dB	\geq 18		
Work Mode	S Type	-	Can only work in Slow Axis	
	F Type	-	Can Work Both in Slow Axis and Fast Axis	
Fiber Type	Common & Signal Port	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
	Pump Port	-	Same Fiber or Corr. SM Fiber, PM850 Fiber, PM780HP Fiber (7) or HI780 Fiber	
Fiber Tensile Load	N	5		
Max. Optical Power (CW)	W	1, 2		3, 5, 10
Operating Temperature	$^{\circ}$ C	0~50		
Storage Temperature	$^{\circ}$ C	-40~85		
Package	Stainless Steel Tube (SST)	mm	(\varnothing) 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 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - 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.

DIMENSION DRAWING (H STAGE)



ORDERING INFORMATION (PN)

FPHW-NN	NN	-C	C	C	C	-HP	NN	-(C)	C	C	NN	-CC/CCC
Pump WL	Signal WL	Stage	Pump Type	Work Mode	Pump Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
78-780nm	90-1900nm	S=Single Stage	F=Forward	S=S Type	Y=Same Fiber	1=1W	M=Metal Box	2= PM1550 Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
79-793nm	93-1930nm	D=Dual Stage	B=Backward	F=F Type	P=PM850 Fiber	3=3W	Blank for SST	V= PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
81-808nm	19-1950nm	H=H Stage			H=HI780 Fiber	5=5W	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
85-850nm	97-1970nm				S=Corr. SM Fiber	10=10W		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	

