

915/1550/1590nm 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

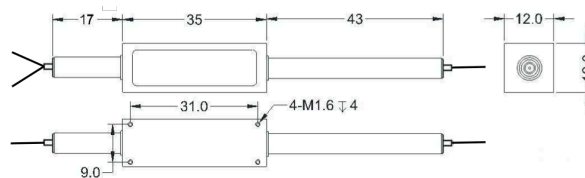


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	1530-1570 (C-Band), 1570-1610 (L-Band)		
Pump Wavelength Range λ_2	nm	915+/-10		
Insertion Loss	Signal Channel@ λ_1	dB	≤1.3	≤1.4
	Pump Channel@ λ_2	dB	≤1.0	
Signal Isolation (Signal Channel@ λ_1)	dB	≥28	≥45	≥25
Signal/Pump Wavelength Isolation	dB	≥30/12		
Optical Return Loss	dB	≥45		
Extinction Ratio	dB	≥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, 10/125um PMDC Fiber (O)	
		-	12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q)	
Fiber Type	Pump Port	-	25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
		-	Same Fiber, Corr. SM Fiber, PM850 Fiber, HI780 Fiber, PM980 Fiber (M) or HI1060 Fiber (X)	
Fiber Tensile Load	N	5		
Max. Optical Power (CW)	W	1, 2, 3, 5, 10		15, 20
Operating Temperature	°C	0~70		
Storage Temperature	°C	-40~85		
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
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)

Signal	Stage	Pump Type	Work Mode	Pump Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
FPHW-91(C)C	C	C	C	-HP NN	-(C)	C	C	NN	-CC/CCC	
Wavelength	S=Single Stage	F=Forward	S= S Type	P=PM850 Fiber	1= 1W	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
L=L Band	D=Dual Stage	B=Backward	F= F Type	Y=Same Fiber	5= 5W	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
Blank for C Band	H=H Stage			S=Corr. SM Fiber	10=10W	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				H=HI780 Fiber	20=20W		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector