915/1550/1590nm WDM/Isolator PM Hybrid Filter for Pulse

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 λ1		nm	1530-1570 (C-Band), 1570-1610 (L-Band)		
Pump Wavelength Range λ2		nm	915+/-10		
Insertion Loss	Signal Channel@λ1	dB	≤1.3	≤1.4	≤1.6
	Pump Channel@λ2	dB	≤1.0		
Signal Isolation (Signal Channel@λ1)		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)		
			25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)		
	Pump Port	-	Same Fiber, Corr. SM Fiber, PM850 Fiber, HI780 Fiber,		
			PM980 Fiber (M) or HI1060 Fiber (X)		
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, 5, 10, 15, 20		
Operating Temperature		°C	0~70		
Storage Temperature		°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

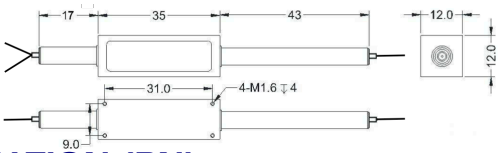
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. 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-91(C)C C C C -H NN P NN -(C) C C NN -CC/CCC

Signal Wavelength	Stage	Pump Type	Work Mode	Pump Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
L=L Band	S=Single Stage	F= Forward	S= S Type	P=PM850 Fiber	03=300mW	01=100W	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
Blank for C Band	D=Dual Stage	B=Backward	F= F Type	Y=Same Fiber	1= 1W	1= 1kW	Blank for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H=H Stage			S=Corr. SM Fiber	10= 10W	10= 10kW	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				H=HI780 Fiber	20=20W	20=20kW		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector