

# 1480/1550/1590nm 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

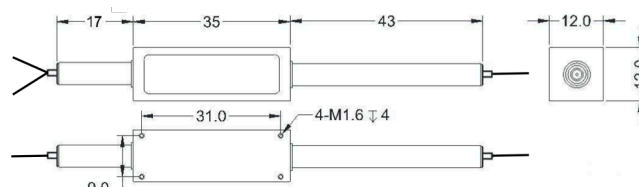


## SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range $\lambda_1$	nm	1530-1570 (C-Band), 1570-1610 (L-Band)		
Pump Wavelength Range $\lambda_2$	nm	1460-1490		
Insertion Loss	Signal Channel@ $\lambda_1$	dB	≤1.1	≤1.3
	Pump Channel@ $\lambda_2$	dB	≤0.8	
Signal Isolation (Signal Channel@ $\lambda_1$ )	dB	≥28	≥45	≥25
Signal/Pump Wavelength Isolation	dB	≥25/12		
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 or Corr. SM Fiber	
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:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB 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)

Signal	Stage	Pump Type	Work Mode	Pump Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
<b>FPHW-14(C)C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>-HP NN</b>	<b>-(C)</b>	<b>C</b>	<b>C</b>	<b>NN</b>	<b>-CC/CCC</b>	
<i>Wavelength</i>	S=Single Stage	F=Forward	S=S Type	Y=Same 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	S=Corr. SM 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				10=10W	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
					20=20W		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector