

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

FEATURES

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

APPLICATIONS

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



SPECIFICATIONS

Parameters		Unit	Single Stage	Dual 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
Wavelength	Signal Channel@ λ_2	dB	≥30	
Isolation	Pump Channel@ λ_1	dB	≥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. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	(Ø)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.
 - 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)

FPHW-91(C)C		C	C	C	-(C)	C	C	NN	-CC/CCC
Signal	Stage	Pump Type	Work Mode	Pump Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
Wavelength	S=Single Stage	F=Forward	S=S Type	P=PM850 Fiber	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	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
Blank for C Band				S=Corr. SM Fiber		T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				H=HI780 Fiber		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector