

1500~1600/1900~1970nm 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

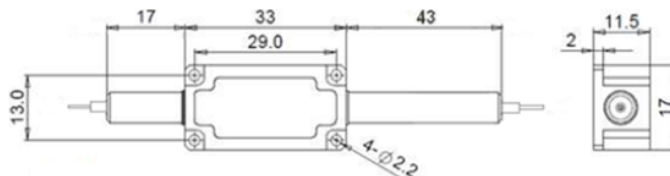


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	1900 \pm 10, 1930 \pm 20, 1950 \pm 20, 1970 \pm 20		
Pump Wavelength Range λ_2	nm	1530 \pm 20, 1550 \pm 20, 1570 \pm 20, 1590 \pm 20		
Insertion Loss	Signal Channel@ λ_1	dB	\leq 1.6	\leq 2.0
	Pump Channel@ λ_2	dB	\leq 1.0	
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)	
	Pump Port	-	10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load	N	5		
Max. Average Optical Power	W	0.3, 0.5, 1, 2		3, 5, 10
Max. Peak Power for pulse	kW	0.1, 1, 2, 5, 10, 15, 20		
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:**
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)

FPHW	NN	-	C	C	C	C	-H	NN	P	NN	-(C)	C	C	NN	-CC/CCC
<i>Pump WL</i>	<i>Signal WL</i>	<i>Stage</i>	<i>Pump Type</i>	<i>Work Mode</i>	<i>Pump Fiber</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>			
53-1530nm	90-1900nm	S=Single Stage	F=Forward	S=S Type	Y=Same Fiber	03-300mW	01-100W	M=Metal Box	2= PM1550 Fiber	B= Bare fiber	05-0.5m	N=Without Connector			
15-1550nm	93-1930nm	D=Dual Stage	B=Backward	F=F Type	S=Corr. SM Fiber	1= 1W	1= 1kW	Blank for SST	V= PM1950 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector			
57-1570nm	19-1950nm	H=H Stage				5-5W	10- 10kW	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector			
59-1590nm	97-1970nm					10- 10W	20-20kW		R=25/250 PMDC Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector			