

1500~1600/2030~2070nm High Power WDM/Isolator 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	2030 \pm 20, 2050 \pm 20, 2070 \pm 10		
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		
PDL	dB	\leq 0.2		
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V)		
		10/130um DC Fiber (O) or 25/250um DC Fiber (R)		
Fiber Tensile Load	N	5		
Max. Optical Power (CW)	W	0.3, 0.5, 1, 2		3, 5, 10
Operating Temperature	$^{\circ}$ C	0~50		
Storage Temperature	$^{\circ}$ C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(\varnothing) 5.5x35	
	Metal Box	mm	(L)120x(W)12x(H)10	

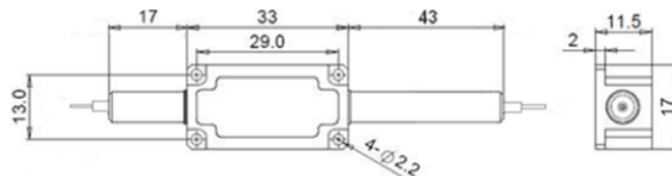
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

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)

FHWM-NN	NN	-	C	C	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Pump WL	Signal WL		Stage	Pump Type	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
53=1530nm	23=2030nm		S=Single Stage	F=Forward	1=1W	M=Metal Box	V=SM1950 Fiber	B=Bare fiber	05=0.5m	N=Without Connector
15=1550nm	25=2050nm		D=Dual Stage	B=Backward	2=2W	Blank for SST	O=10/130 DC Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
57=1570nm	27=2070nm		H=H Stage		5=5W	or >2W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
59=1590nm					10=10W		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector