

780~850/2030~2070nm 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

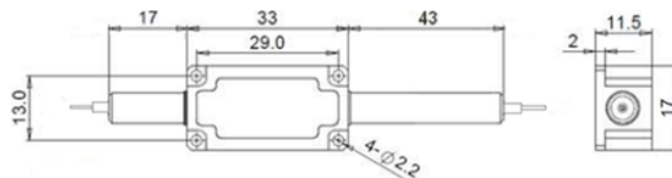


SPECIFICATIONS

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	780 \pm 10, 793 \pm 10, 808 \pm 10, 830 \pm 10, 850 \pm 10		
Insertion Loss	Signal Channel@ λ_1	dB	\leq 1.6	\leq 2.0
	Pump Channel@ λ_2	dB	\leq 1.3	
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	Common & Signal Port	-	SMF-28 Fiber or SM1950 Fiber (V)	
			10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
Pump Port	Same Fiber, 780HP Fiber or HI780 Fiber			
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	Stainless Steel Tube (SST)	mm	(\varnothing) 5.5x35	
Dimension	Metal Box	mm	(L)120x(W)12x(H)10	
			See Drawing	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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	C	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Pump WL	Signal WL	Stage	Pump Type	Pump Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
78-780nm	23-2030nm	S=Single Stage	F= Forward	Y=Same Fiber	1- 1W	M=Metal Box	V= SM1950 Fiber	B= Bare fiber	05-0.5m	N=Without Connector
79-793nm	25-2050nm	D=Dual Stage	B=Backward	7=780HP Fiber	2-2W	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
81-808nm	27-2070nm	H=H Stage		H=HI780 Fiber	5-5W	or >2W	R=25/250 DC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
85-850nm					10- 10W		Blank for SMF-28 Fiber	3= 3mm Cable	20-2.0m	SC/UFC=SC/UFC Connector