

780~850/2030~2070nm 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
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
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)		mW	300	
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 0.7dB higher, RL is 5dB lower.
 3. 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)

FHWM-NN	NN	-	C	C	- (C)	(C)	C	NN	-CC/CCC
Pump WL	Signal WL	Stage	Pump Type	Pump Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
78-780nm	23-2030nm	S=Single Stage	F=Forward	Y=Same Fiber	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	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
81-808nm	27-2070nm			H=HI780 Fiber		R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
85-850nm						Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector