1500~1600/2000nm 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 λ1		nm	2000±20		
Pump Wavelength Range λ2		nm	1530±20, 1550±20, 1570±20, 1590±20		
Insertion Loss	Signal Channel@λ1	dB	≤1.6	≤2.0	≤2.0
	Pump Channel@λ2	dB	≤1.0		
Signal Isolation (Signal Channel@λ1)		dB	≥16	≥35	≥25
Signal/Pump Wavelength Isolation		dB	≥25/12		
Optical Return Loss		dB	≥45		
PDL		dB	≤0.2		
Fiber Type	Com	-	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		°C	0~50		
Storage Temperature		°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

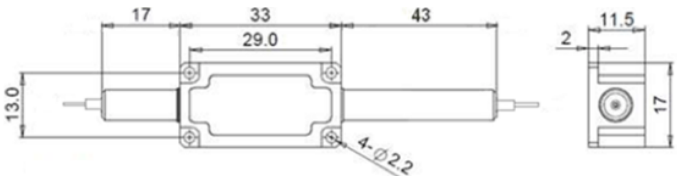
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

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	20=2000nm	S=Single Stage	F= Forward	1= 1W	M=Metal Box	V= SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
55=1550nm		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		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