

1500~1600/2000nm WDM/Iso/Tap PM Hybrid Filter for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

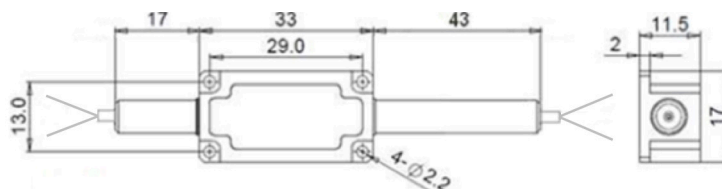


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	2000+/-20		
Pump Wavelength Range λ_2	nm	1530±20, 1550±20, 1570±20, 1590±20		
Excess Loss	Signal Channel@ λ_1	dB	≤1.8	≤2.2
Insertion Loss	Pump Channel@ λ_2	dB	≤1.0	
Signal Tap Ratio		%	1±0.5, 2±0.7, 5±1, 10, 20, 30, 40, 50	
Signal Isolation (Signal Channel@ λ_1 , 23°C)		dB	≥16	≥25
Wavelength Isolation	Signal Channel@ λ_2	dB	≥25	
	Pump Channel@ λ_1	dB	≥12	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥18	
	S Type	-	Forward Pump, Only Slow Axis Working	
	F Type	-	Forward Pump, Both Axis Working	
Pump Type	B Type	-	Backward Pump, Only Slow Axis Working	
	Common & Signal Port	-	PM1550 Panda Fiber or PM1950 Fiber (V)	
		-	10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
Fiber Type	Pump & Tap Port	-	Same Fiber or Corr. SM Fiber	
		N	5	
Fiber Tensile Load		W	0.3, 0.5, 1, 2	3, 5, 10
Maximum Average Optical Power		kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for Pulse		°C	0~50	
Operating Temperature		°C	-40~85	
Storage Temperature	Stainless Steel Tube (SST)	mm	(Ø)5.5x40	
	Metal Box	mm	(L)120x(W)12x(H)10	
Package Dimension				See Drawing

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - 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.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FPHT-NN NN - C C NN - C C-H NN P NN -(C) C C NN - CC/CCC

Pump WL	Signal WL	Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
53=1530nm	20=2000nm	S=Single Stage	S=S Type	01=1%	P= Same Fiber	P=Same Fiber	03=300mW	01=100W	M= Metal Box	2= PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
15=1550nm		D= Dual Stage	F= F Type	05=5%	S=Corr. SM Fiber	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		H=H Stage	B=B Type	10=10%			5=5W	10=10kW	or >2W	0=10/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
59=1590nm				50=50%			10=10W	20=20kW		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector