1500~1600/2030~2070nm 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 λ1		nm	2030±20, 2050±20, 2070±10		
Pump Wavelength Range λ2		nm	1530±20, 1550±20, 1570±20, 1590±20		
Excess Loss	Signal Channel@λ1	dB	≤1.8	≤2.2	≤2.2
Insertion Loss	Pump Channel@λ2	dB	≤1.0		
Signal Tap Ratio		%	1±0.5, 2±0.7, 5±1, 10, 20, 30, 40, 50		
Signal Isolation (Signal Channel@λ1, 23°C)		dB	≥10	≥25	≥25
Wavelength Isolation	Signal Channel@λ2	dB	≥25		
	Pump Channel@λ1	dB	≥12		
Optical Return Loss		dB	≥45		
Extinction Ratio		dB	≥18		
Pump Type	S Type	-	Forward Pump, Only Slow Axis Working		
	F Type	-	Forward Pump, Both Axis Working		
	B Type	-	Backward Pump, Only Slow Axis Working		
Fiber Type	Common &Signal Port	-	PM1550 Panda Fiber or PM1950 Fiber (V)		
		-	10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)		
	Pump & Tap Port	-	Same Fiber or Corr. SM Fiber		
Fiber Tensile Load		N	5		
Maximum Average Optical Power		W	0.3, 0.5, 1, 2		3, 5, 10
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature		°C	0~50		
Storage Temperature		°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x40		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

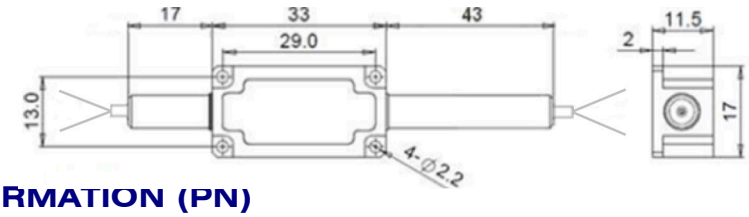
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

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.

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	23=2030nm	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	25=2050nm	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	27=2070nm	H=H Stage	B=B Type	10=10%			5=5W	10=10kW	or >2W	O=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