

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

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

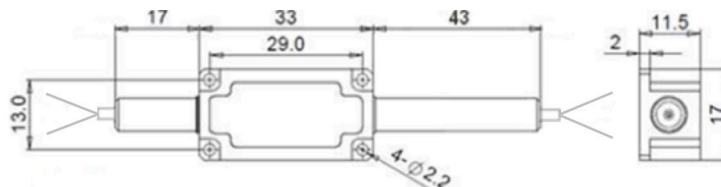


SPECIFICATIONS

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	1, 2	3, 5, 10
Maximum Optical Power (CW)		°C	0~50	
Operating Temperature		°C	-40~85	
Storage Temperature	Stainless Steel Tube (SST)	mm	(Ø)5.5x40	
Package 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 0.3dB 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)

Pump WL	Signal WL	Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Fiber	Optical 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	1=1W	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	3=3W	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	or >2W	O=10/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
59=1590nm				50=50%			10=10W		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector