

1500~1600/1900~1970nm 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

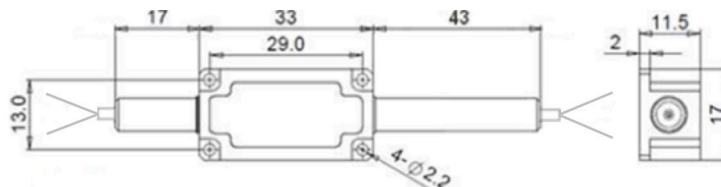


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	1900 \pm 10, 1930 \pm 20, 1950 \pm 20, 1970 \pm 20		
Pump Wavelength Range λ_2	nm	1530 \pm 20, 1550 \pm 20, 1570 \pm 20, 1590 \pm 20		
Excess Loss	Signal Channel@ λ_1	dB	\leq 1.8	\leq 2.2
Insertion Loss	Pump Channel@ λ_2	dB	\leq 1.0	
Signal Tap Ratio		%	1 \pm 0.5, 2 \pm 0.7, 5 \pm 1, 10, 20, 30, 40, 50	
Signal Isolation (Signal Channel@ λ_1 , 23°C)		dB	\geq 10	\geq 25
Wavelength Isolation	Signal Channel@ λ_2	dB	\geq 25	
	Pump Channel@ λ_1	dB	\geq 12	
Optical Return Loss		dB	\geq 45	
Extinction Ratio		dB	\geq 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 Optical Power (CW)		W	1, 2	3, 5, 10
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(\varnothing) 5.5x40	
	Metal Box	mm	(L)120x(W)12x(H)10	

- 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	90=1900nm	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	93=1930nm	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	19=1950nm	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	97=1970nm			50=50%			10=10W		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

