

980/1550/1590nm 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

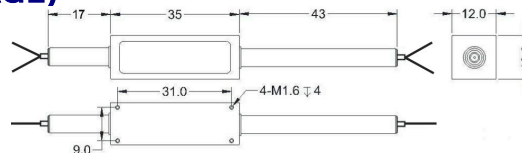


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	1530-1570 (C-Band), 1570-1610 (L-Band)		
Pump Wavelength Range λ_2	nm	960-990		
Excess Loss	Signal Channel@ λ_1	dB	≤ 1.3	≤ 1.6
Insertion Loss	Pump Channel@ λ_2	dB	≤ 0.8	
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	≥ 28	≥ 25
Wavelength Isolation	Signal Channel@ λ_2	dB	≥ 25	
	Pump Channel@ λ_1	dB	≥ 12	
Optical Return Loss		dB	≥ 45	
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	Signal Port	-	PM1550 Panda Fiber, 10/125um PMDC Fiber (O),	
		-	12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q)	
		-	25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
	Common Port	-	Same Fiber or PM980 Fiber	
	Pump Port	-	Same Fiber, PM980 Fiber or HI1060 Fiber	
Tap Port	-	Same Fiber or Corresponding SM Fiber		
Fiber Tensile Load	N	5		
Maximum Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10		15, 20
Operating Temperature	°C	0~50		
Storage Temperature	°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	$(\varnothing)5.5 \times 40 (\leq 5W)$; $(\varnothing)6.0 \times 48$	
	Metal Box	mm	$(L)120 \times (W)12 \times (H)10$	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB 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)

Signal WL	Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Fiber	Comm Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
L-L Band	S=Single Stage	S=S Type	01=1%	P=PM980 Fiber	P=Same Fiber	P=PM980 Fiber	1=1W	M=Metal Box	2=PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
Blank for	D=Dual Stage	F= F Type	05=5%	S=HI1060 Fiber	S=Corr.	Blank for Same	5=5W	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
C Band	H=H Stage	B=B Type	10=10%	Y=Same Fiber	SM Fiber	Fiber	10=10W	or >10W	T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			50=50%				20=20W		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/APC=SC/APC Connector

