

980/1550/1590nm High Power WDM/Isolator PM Hybrid Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks

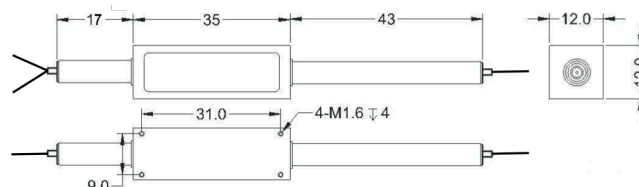


SPECIFICATIONS

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		
Insertion Loss	Signal Channel@ λ_1	dB	≤1.3	≤1.4
	Pump Channel@ λ_2	dB	≤0.8	
Signal Isolation (Signal Channel@ λ_1)	dB	≥28	≥45	≥25
Signal/Pump Wavelength Isolation	dB	≥30/12		
Optical Return Loss	dB	≥45		
Extinction Ratio	dB	≥18		
Work Mode	S Type	-	Can only work in Slow Axis	
	F Type	-	Can Work Both in Slow Axis and Fast Axis	
Fiber Type	Common & 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)	
	Pump Port	-	Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber	
Fiber Tensile Load	N	5		
Max. Optical Power (CW)	W	1, 2, 3, 5, 10		15, 20
Operating Temperature	°C	0~70		
Storage Temperature	°C	-40~85		
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
Dimension	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 0.5dB 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.

DIMENSION DRAWING (H STAGE)



ORDERING INFORMATION (PN)

Signal	Stage	Pump Type	Work Mode	Pump Fiber	Comm Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
Wavelength	S=Single Stage F=Forward	S=S Type	Y=Same Fiber P=PM980 Fiber	1=1W M=Metal Box 2=PM1550Fiber	B=Bare fiber 05=0.5m N=Without Connector	L=L Band D=Dual Stage B=Backward	F=F Type P=PM980 Fiber Blank for Same	5=5W Blank for SST 0=10/125 PMDC Fiber	L=Loose Tube 10=1.0m FC/APC=FC/APC Connector	Blank for C Band H=H Stage	H=HI1060 Fiber Fiber 10=10W or >10W T=12/130 PMDC Fiber	2=2mm Cable 15=1.5m LC/PC=LC/PC Connector	S=Corr. SM Fiber 20=20W 6=25/300 PMDC Fiber	3=3mm Cable 20=2.0m SC/UFC=SC/UFC Connector

