

## 980/1550/1590nm WDM/Iso/Tap Hybrid Filter for Pulse Power

### FEATURES

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

### APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

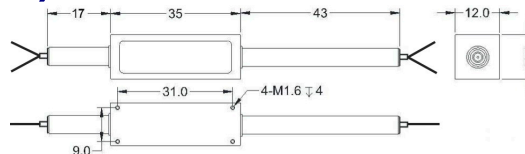


### SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range $\lambda_1$	nm	1530-1570 (C-Band), 1570-1610 (L-Band)		
Pump Wavelength Range $\lambda_2$	nm	960-990		
Excess Loss	Signal Channel@ $\lambda_1$	dB	$\leq 1.3$	$\leq 1.4$
Insertion Loss	Pump Channel@ $\lambda_2$	dB	$\leq 0.8$	
Signal Tap Ratio		%	1 $\pm$ 0.5, 2 $\pm$ 0.7, 5 $\pm$ 1, 10, 20, 30, 40, 50	
Signal Isolation (Signal Channel@ $\lambda_1$ , 23°C)		dB	$\geq 28$	$\geq 45$
Wavelength Isolation	Signal Channel@ $\lambda_2$	dB	$\geq 25$	
	Pump Channel@ $\lambda_1$	dB	$\geq 12$	
Optical Return Loss		dB	$\geq 45$	
PDL		dB	$\leq 0.2$	
Pump Type		-	Forward Pump	
Fiber Type	Signal&Tap Port	-	SMF-28 Fiber, 10/130um DC Fiber (O)	
		-	12/130um DC Fiber (T), 20/130um DC Fiber (Q)	
	Common&Pump Port	-	25/250um DC Fiber (R), 25/300um DC Fiber (G)	
	Common&Pump Port	-	Same Fiber or HI1060 Fiber	
Fiber Tensile Load		N	5	
Maximum Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10	15, 20
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	$(\varnothing)5.5 \times 40$ ( $\leq 5W$ ); $(\varnothing)6.0 \times 48$ (5~10W)	
	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.
  - 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	Tap Ratio	Pump Fiber	Comm Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
L-L Band	S=Single Stage	01=1%	Y=Same Fiber	M=Same Fiber	03=300mW	01=100W	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
Blank for	D=Dual Stage	05=5%	Blank for HI1060	Blank for HI1060	1= 1W	1= 1kW	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
C Band	H=H Stage	10=10%	Fiber	Fiber	10=10W	10=10kW	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50%			20=20W	20=20kW		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector