

915/1550/1590nm 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

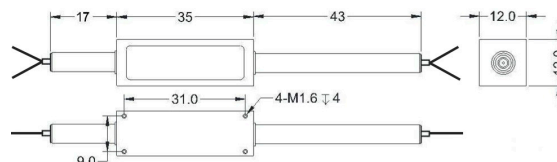


SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1		nm	1530-1570 (C-Band), 1570-1610 (L-Band)		
Pump Wavelength Range λ_2		nm	915 \pm 10		
Excess Loss	Signal Channel@ λ_1	dB	\leq 1.3	\leq 1.4	\leq 1.6
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 28	\geq 45	\geq 25
Wavelength Isolation	Signal Channel@ λ_2	dB	\geq 25		
	Pump Channel@ λ_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)		
	-	25/250um DC Fiber (R), 25/300um DC Fiber (G)			
	Common&Pump Port	-	Same Fiber, HI780 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	(Ø)5.5x40 (\leq 5W); (Ø)6.0x48 (5~10W)		See Drawing
	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 0.7dB 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%	H=HI1060 Fiber	N=HI1060 Fiber	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%	Blank for HI780 Fiber	Blank for HI780 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%	Fiber	Fiber	20=20W	20=20kW		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/WPC=SC/WPC Connector

