

1550/2000nm High Power WDM Filter

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameters	Unit	Standard	High Isolation
Pass Channel Wavelength Range λ_1	nm	1880 \pm 10, 1900 \pm 10, 1950 \pm 20, 2000 \pm 30, 2050 \pm 20, 2090 \pm 10	
Reflective Channel Wavelength Range λ_2	nm	1530 \pm 20, 1550 \pm 20, 1570 \pm 20, 1590 \pm 20, 1625 \pm 10	
Insertion Loss	Pass Channel@ λ_1		\leq 1.4
	Reflective Channel@ λ_2		\leq 1.4
Configuration	Y Type		3-port
	X Type		4-port (2x2 WDM)
Isolation	Pass Channel@ λ_2	\geq 25	\geq 45
	Reflective Channel@ λ_1		\geq 12
Optical Return Loss			\geq 45
Directivity			\geq 50
Polarization Dependent Loss			\leq 0.2
Fiber Type	Common & Pass Port		SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)
	Ref Port (1.5um)		Same Fiber or SMF-28 Fiber
Fiber Tensile Load	N		5
Maximum Optical Power (CW)	W		1, 2, 3, 5, 10, 15, 20
Operating Temperature	$^{\circ}$ C		0~50
Storage Temperature	$^{\circ}$ C		-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	ϕ 5.5x ^L 38 (\leq 5W); ϕ 6.0x ^L 50 (5~8W)
	Metal Box	mm	^L 120x ^W 12x ^H 10 (\leq 8W)

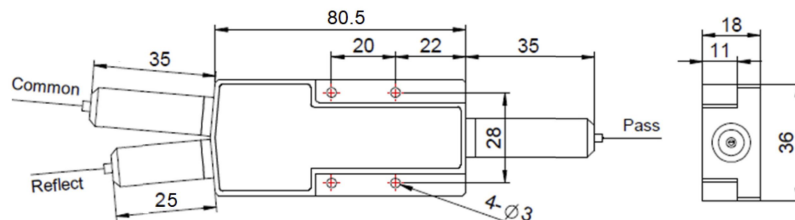
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. 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 (> 10W)



ORDERING INFORMATION (PN)

Ref Wavelength	Pass Wavelength	Ref.1 Fiber	Mode	Ref.2 Fiber	Isolation	Optical Power	Average Power (Ref)	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
53=1530nm	20=2000nm	S= SMF-28 Fiber	M= Mux	X=Same Fiber	I= High Iso	1=1W	1= 1W	M=Metal Box	V= SM1950 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
15=1550nm	19=1950nm	Blank for	D= Demux	S= SMF-28 Fiber	Blank for	2=2W	2= 2W	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
57=1570nm	25=2050nm	Same Fiber	Blank for Both	Blank for Y Type	Standard	5=5W	5=5W	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
59=1590nm	90=1900nm					10=10W	Blank for Same to Pass		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

