1020-1120/1310~1590nm High Power WDM Filter

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FEATURES

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

APPLICATIONS

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

SPECIFICATIONS

Parameters		Unit	Value
Pass Channel Wavelength Range λ1		nm	1310+/-20, 1530-1580, 1590+/-20
Reflective Channel Wavelength Range λ2		nm	1020+/-10, 1030+/-10, 1040+/-10, 1053+/-10, 1064+/-10, 1080+/-10, 1092+/-5, 1120+/-5
Insertion Loss	Pass Channel@λ1	dB	≤1.0
	Reflective Channel@λ2	dB	≤0.8
Configuration	Y Type	-	3-port
	X Type	-	4-port (2x2 WDM)
Isolation	Pass Channel@λ2	dB	≥25
	Reflective Channel@λ1	dB	≥12
Optical Return Loss		dB	≥45
Directivity		dB	≥50
Polarization Dependent Loss		dB	≤0.15
Fiber Type	Signal Port	-	SMF-28 Fiber, 10/130um DC Fiber (O) 20/130um DC Fiber (Q), 25/250um DC Fiber (R)
	Common & 1um Port	-	Same Fiber or HI1060 Fiber
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		W	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)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)

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

2. To add connectors, IL is 0.5dB 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.

ORDERING INFORMATION (PN)

FFWM-NN NN - (C) (C) (C) -HP NN - (C) (C) C NN -CC/CCC

Ref Wavelength	Pass Wavelength	1um Fiber	Ref. Fiber2	Common Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06=1064nm	15= 1550nm	S=Same Fiber	X=Same Fiber	Y=Same Fiber	1=1W	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
03=1030nm	59= 1590nm	Blank for HI1060	H=HI1060 Fiber	Blank for HI1060	5=5W	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
05=1053nm	13=1310nm	Fiber	Blank for Y Type	Fiber	10=10W	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
12=1120nm					20=20W		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector