



High Power Pump WDM Filter

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	980/1550nm	1480/1550nm
Pass Channel Wavelength Range λ_1	nm	1530-1580	
Reflective Channel Wavelength Range λ_2	nm	965-1000	1450-1490
Insertion Loss	Pass Channel@ λ_1	dB	≤ 0.8
	Reflective Channel@ λ_2	dB	≤ 0.6
Passband Ripple	dB	≤ 0.3	≤ 0.3
Isolation	Pass Channel@ λ_2	dB	≥ 25
	Reflective Channel@ λ_1	dB	≥ 12
Optical Return Loss	dB	≥ 45	
Directivity	dB	≥ 50	
Polarization Dependent Loss	dB	≤ 0.1	
Polarization Mode Dispersion	ps	≤ 0.1	
Fiber Type	-	HI1060 Fiber at Common and Pump Port, SMF-28e Fiber at Signal Port	SMF-28e Fiber
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 5, 10 or customer specify	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(Φ)5.5x34 (250um Fiber) (Φ)5.5x38 (900um Fiber)	

- Note:**
1. Specifications are for device without connectors.
 2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, Optical Power will be only 1W.
 3. Devices for higher optical power and pulse power are also available per request.

ORDERING INFORMATION

FFWM- NN	NN	- HP N	- C	NN	- CC/CCC
Reflective Channel Wavelength	Pass Channel Wavelength	Power	Fiber Type	Fiber Length	Connector Type
15= 1550nm	15= 1550nm	1=1W	B= 250um Bare Fiber	10=1.0m	N =Without Connector
09= 980nm	09= 980nm	2= 2W	L= 900um Loose Tube	15=1.5m	FC/APC=FC/APC Connector
14= 1480nm	14= 1480nm	10=10W		20=2.0m	LC/PC =LC/PC Connector