High Power Pump WDM Filter

RoHS Compliant

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 λ1		nm	1530-1580	
Reflective Channel Wavelength Range λ2		nm	965-1000	1450-1490
Insertion Loss	Pass Channel@λ1	dB	≤1.0	≤0.8
	Reflective Channel@λ2	dB	≤0.6	≤0.6
Passband Ripple		dB	≤0.3	≤0.3
Isolation	Pass Channel@λ2	dB	≥30	≥25
	Reflective Channel@λ1	dB	≥12	≥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