



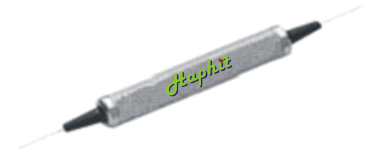
High Power 1480/1550nm WDM/Isolator Hybrid Filter

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	Single Stage	Dual Stage	
Signal Wavelength Range λ_1	nm	1530~1565		
Pump Wavelength Range λ_2	nm	1450-1490		
Insertion Loss	Signal Channel@ λ_1	dB	≤0.9	≤1.1
	Pump Channel@ λ_2	dB	≤0.6	
Signal Isolation (23°C, All SOP)	dB	≥28	≥45	
Wavelength Isolation	Signal Channel@ λ_2	dB	≥25	
	Pump Channel@ λ_1	dB	≥15	
Optical Return Loss	dB	≥45		
Polarization Dependent Loss	dB	≤0.1		
Polarization Mode Dispersion	ps	≤0.25	≤0.05	
Fiber Tensile Load	N	5		
Fiber Type	-	SMF-28e Fiber		
Maximum Optical Power (CW)	W	1, 2, 5, 10		
Operating Temperature	°C	0~70		
Storage Temperature	°C	-40~85		
Package Dimension	mm	(Φ)5.5x35		

- 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 1W.
 3. Devices for higher optical power and pulse power are also available per request.

ORDERING INFORMATION

FHWM- NN	C	C	-HP NN	- C	NN	- CC/CCC
Pump Wavelength	Stage:	Pump Type:	Optical Power	Fiber Type	Fiber Length	Connector Type
09= 980nm	S=Single Stage	F= Forward Pump	1=1W	B= 250um Bare Fiber	10=1.0m	N =Without Connector
14= 1480nm	D=Dual Stage	B=Backward Pump	2=2W	L= 900um Loose Tube	15=1.5m	FC/APC=FC/APC Connector
			10=10W		20=2.0m	LC/PC =LC/PC Connector