

## 1064/1020-1040nm High Power 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	Value	
Pass Channel Wavelength Range $\lambda_1$	nm	1064+/-4	
Reflective Channel Wavelength Range $\lambda_2$	nm	1020+/-10, 1030+/-10, 1040+/-10	
Insertion Loss	Pass Channel@ $\lambda_1$	dB	$\leq 1.0$
	Reflective Channel@ $\lambda_2$	dB	$\leq 0.8$
Configuration	Y Type	-	3-port
	X Type	-	4-port (2x2 WDM)
Isolation	Pass Channel@ $\lambda_2$	dB	$\geq 25$
	Reflective Channel@ $\lambda_1$	dB	$\geq 12$
Optical Return Loss	dB	$\geq 45$	
Directivity	dB	$\geq 50$	
Polarization Dependent Loss	dB	$\leq 0.1$	
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
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	( $\varnothing$ )5.5x35 ( $\leq 5W$ ); ( $\varnothing$ )6.0x48 (5~10W)
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 ( $\leq 10W$ )

- 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)	- HP NN	- (C)	(C)	C	NN	- CC/CCC
Ref Wavelength	Pass Wavelength	Configuration	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
02= 1020nm	06= 1064nm	X=X Type	1=1W	M=Metal Box	E=10/125 SC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
03= 1030nm		Blank for Y Type	2=2W	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
04=1040nm			5=5W	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
			10=10W		Blank for HI1060 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	