

980/1310/1550/1590nm High Power Multimode WDM Filter

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameters		Unit	Standard	High Isolation
Pass Channel Wavelength Range λ_1		nm	1310+/-20, 1550+/-20, 1590+/-20	
Reflective Channel Wavelength Range λ_2		nm	965-1000	
Insertion Loss	Pass Channel@ λ_1	dB	≤ 1.0	
	Reflective Channel@ λ_2	dB	≤ 0.8	
Isolation	Pass Channel@ λ_2	dB	≥ 25	≥ 45
	Reflective Channel@ λ_1	dB	≥ 15	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Optical Return Loss		dB	≥ 30	
Directivity		dB	≥ 35	
Fiber Type		-	50/125um or 62.5/125um MM Fiber 50/125um MM OM3 Fiber 105/125um MM Fiber	
Maximum Optical Power (CW)		W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$\phi 5.5 \times L35$ ($\leq 5W$); $\phi 6.0 \times L50$ (5~10W)	
	Metal Box	mm	$L120 \times W12 \times H10$ ($\leq 10W$)	

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

2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.

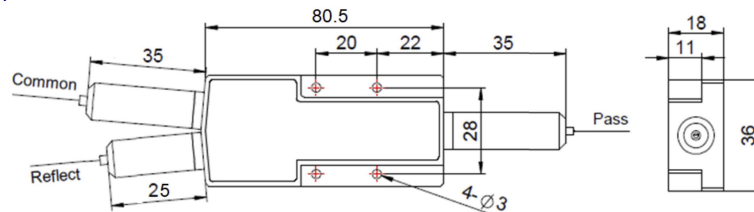
3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

5. Specifications are tested at low order modes.

6. Devices with other wavelength range are also available per request.

PACKAGE DIMENSION ($\geq 10W$)



ORDERING INFORMATION (PN)

FMFM - **NN NN** - **(C)** **(C)** **(C)** - **HPNN** - **(NN)** - **(C)** **C** **C** **NN** - **CC/CCC**

Ref Wavelength	Pass Wavelength	Configuration	Mode	Isolation	Optical Power	Average Power (Ref)	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
98-980nm	15-1550nm	X- X Type	M- Mux	I- High Iso	1-1W	1-1W	M-Metal Box	5- 50/125um MM Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
15-1550nm	98-980nm	Blank for Y Type	D- Demux	Blank for	5- 5W	2- 2W	Blank for SST	6- 62.5/125um MM Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
59-1590nm	59-1590nm	Blank for Both	Blank for Both	Standard	10-10W	5-5W	or >10W	3- OM3 MM Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
13-1310nm	13-1310nm				30-30W	Blank for Same to Pass		A- 105/125um, NA=0.22	3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector
								B-105/125um, NA=0.15			