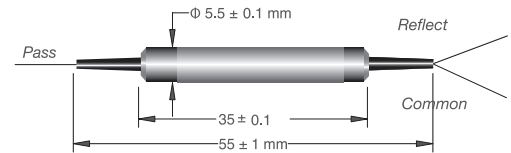


- High isolation
- Low Insertion Loss
- Wide Wavelength Operation
- Exceptionally Stable and Reliable



980/1060 - 980/1550 - 1310/1550, 1480/1550, 1510/1550 WDM

The Filter Wavelength Division Multiplexer series is based on environmentally stable thin film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability.

High power handling capability can be achieved through unique pigtail processing and high quality AR coating. These components have been extensively used in EDFAs, Raman amplifiers, WDM networks and fiber optical instruments.

SPECIFICATIONS*

PARAMETERS		VALUE					UNIT
Pass Band	Wavelength Range	970-990 (1020-1100)	950-1010 (1500-1600)	1270-1350 (1530-1600)	1450-1490 (1530-1580)	1500- 1520 (1530-1570)	nm
	Typ. Insertion Loss	0.6	0.5	0.4	0.4	0.5	nm
	Max. Insertion Loss	0.8	0.7	0.6	0.6	0.7	dB
	Typ. Isolation	30	35	35	30	35	dB
	Min. Isolation	25	30	30	25	30	dB
Reflection Band	Wavelength Range	1020-1000 (970-990)	1500-1600 (950 -1010)	1530-1600 (1270-1350)	1530-1580 (1450-1490)	1530-1570 (1500 - 1520)	nm
	Typ. Insertion Loss	0.3					dB
	Max. Insertion Loss	0.5					dB
	Typ. Isolation	15					dB
	Min. Isolation	12					dB
Min. Return Loss		50					dB
Max. Polarization Dependent Loss		0.1					dB
Typ. Polarization Dependent Loss		0.05					dB
Thermal Stability		0.005					dB/°C
Max. Optical Power		300					mW
Max. Tensile Load		5					N
Operating Temperature Range		-5 to +70					°C
Storage Temperature Range		-40 to +85					°C

*Note: IL is 0.3 dB higher and RL is 5 dB lower for each connector added

ORDER CODES

CODE	WAVELENGTH	CONNECTOR TYPE	FIBER JACKET	FIBER LENGTH
F4M -FWDM	9806 980 Pass/1060 Reflect	O None	25 250µm Bare Fiber	10 1m (Std.)
	0698 1060 Pass/980 Reflect	A SC/UPC	9L 900µm Loose Tube	S Specify
	9855 980 Pass/1550 Reflect	B SC/APC	S Specify	
	5598 1550 Pass /980 Reflect	C FC/UPC		
	3155 1310 Pass/1550 Reflect	D FC/APC		
	5531 1310 Reflect/1550 Pass	E LC/UPC		
	4855 1480 Pass/1550 Reflect	Q LC/APC		
	5548 1480 Reflect/1550 Pass	S Specify		
	5155 1510 Pass/1550 Reflect			
	5551 1510 Reflect/1550 Pass			
	S Specify			

ORDER CODE example:

F4M-FWDM - S - 00 - 25 - S

Datasheet-F4M-Rev 2.0 - Changes without prior notice

Specifications may change without notice. Display Product Photos Shown are samples for viewing, not actual products. Colours and styles may vary.

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