

## Filter Wavelength Division Multiplexer

Model #: FWDM

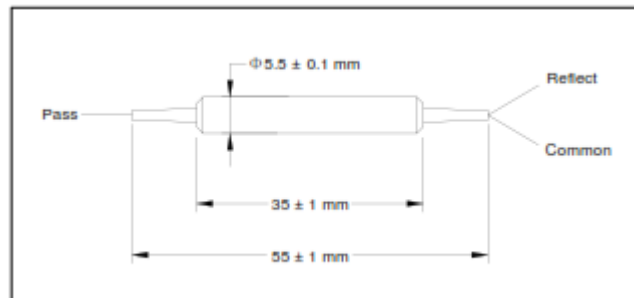
Description: Filter Wavelength Division Multiplexer

Application: Fiber amplifier, fiber laser, fiber sensor, WDM module and systems, test and measurement equipment.

Specifications:

Parameter		Unit	Specifications		
Pass Band	Operating Wavelength Range	nm	1270 – 1350 (1530 - 1600)	1450 – 1490 (1530 – 1600)	1500 – 1520 (1530 – 1570)
	Typ. Insertion Loss	dB	0.4	0.4	0.5
	Max. Insertion Loss	dB	0.6	0.6	0.7
	Typ. Isolation	dB	35	30	35
	Min. Isolation	dB	25	25	25
Reflection Band	Operating Wavelength Range	nm	1530 – 1600 (1270 - 1350)	1530 – 1600 (1450 – 1490)	1530 – 1570 (1500 – 1520)
	Typ. Insertion Loss	dB	0.3		
	Max. Insertion Loss	dB	0.5		
	Typ. Isolation	dB	15		
	Min. Isolation	dB	12		
	Max. Polarization Dependent Loss	dB	0.1		
	Typ. Polarization Mode Dispersion	ps	0.05		
	Min. Return Loss	dB	50		
	Thermal Stability	dB/°C	0.005		
	Max. Optical Power (CW)	mW	300		
	Operating Temperature	°C	-5 to +70		
	Storage Temperature	°C	-40 to + 85		
	Dimension	mm	5.5 (D) x 35 (L)		
	Fiber Type		SMF-28 fiber		

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



### Ordering Information: FWDM-AAAA-B-C-D

AAAA: central wavelength	B: connector type	C: fiber jacket	D: fiber length
3155 – 1310 P. / 1550 R.	1 - FC/UPC	B - 250µm bare fiber	1 – 1.0 m
5531 – 1550 P. / 1310 R.	2 - FC/APC	L - 900 µm loss tube	X - other
4855 - 1480 P. / 1550 R.	3 - SC/UPC	X - other	
5548 – 1550 P. / 1480 R.	4 - SC/APC		
5155 – 1510 P. / 1550 R.	N - none		
5551 – 1550 P. / 1510 R.	X - other		
XXXX – other			