

Filter Wavelength Division Multiplexer (DL-FWDM-VVVV-W-X-Y-Z)

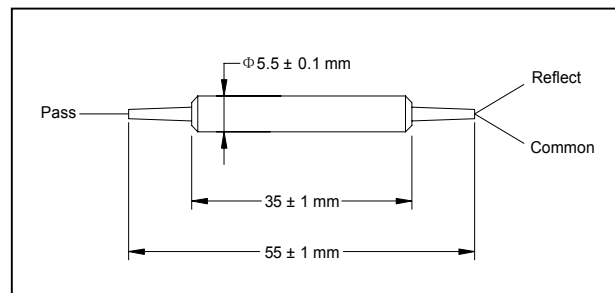
The Filter Wavelength Division Multiplexer series combine or separate light at different wavelength in a wide wavelength range. It is based on environmentally stable thin film filter technology. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. Special processing and high quality AR coating enabled high power handling capability. These components have been widely used in EDFAs, Raman amplifiers, WDM networks and fiber optical instruments.

A. Specifications

Parameter		Value			Unit
Pass Band	Wavelength Range	1270 - 1350 (1530 - 1600)	1450 - 1490 (1530 - 1580)	1500 - 1520 (1530 - 1570)	nm
	Max. Insertion Loss	0.6	0.6	0.7	dB
	Min. Isolation	30	25	30	dB
Reflection Band	Wavelength Range	1530 - 1600 (1270 - 1350)	1530 - 1580 (1450 - 1490)	1530 - 1570 (1500 - 1520)	nm
	Max. Insertion Loss	0.5			dB
	Min. Isolation	12			dB
Min. Return Loss		50			dB
Max. Polarization Dependent Loss		0.1			dB
Thermal Stability		0.005			dB/°C
Max. Optical Power		300			mW
Operating Temperature		-5 to +70			°C
Storage Temperature		-40 to +85			°C

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

B. Package Dimensions



C. Ordering Information

DL-FWDM-VVVV-W-X-Y-Z

VVVV: Wavelength

3155 - 1310 Pass/1550 Reflect

5531 - 1310 Reflect/1550 Pass

4855 - 1480 Pass/1550 Reflect

5548 - 1480 Reflect/1550 Pass

5155 - 1510 Pass/1550 Reflect

5551 - 1510 Reflect/1550 Pass

SSSS - Specify

W: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

X: Fiber Type (SMF-28)

B - 250 μm bare fiber

L - 900 μm loose tube

S - Specify

Y: Fiber Length

1 - 1.0 m

S - Specify