



LFWDM

Lightem's Filter Wavelength Division Multiplexer (LFWDM) is a highly reliable micro-optical device based on thin-film fiber technology with low insertion loss, wide bandwidth, high isolation and epoxy-free optical path. The product has already been widely used in communication fields such as signal monitoring, optical line termination, optical network unit, FTTH, CATV system, WDM system, etc.

Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and Reliability
- Epoxy-free on Optical Path

Specifications

Center Wavelength	T1310R1490/1550	T1490R1310/1550	T1550R1310/1490	T850R1310	T1310R850	Unit
Operating Waveband	1310±50	1490±50	1550±50	±50	±50	nm
Typ.Insertion Loss			$T \leq 0.4$ $R \leq 0.2$			dB
Max.Insertion Loss			$T \leq 0.6$ $R \leq 0.4$			dB
Polarization Dependent Loss			≤ 0.1			dB
Isolation Room Temperature			$T \geq 30$ $R \geq 15$			dB
Return Loss			≥ 50			dB
Power Handling			≤ 500			mW
Pigtail Type	SM	SM	SM	SM	MM62.5/12.5	/
Operating Temperature			-40-85			°C
Storage Temperature			-40-85			°C
Package Dimension			5.5*34/38			mm

Note: Specifications without connectors

Ordering information

* Ordering Code Example

