

Optical Linear Filter (Transmission Type)

Our optical fibre linear filter is a transmission type linear filter with a transmission range from 10% to 90%. With model number **OEMOD-OLF-100**, the optical fibre linear filter is packaged by our advanced micro optics package technology. The spectrum of **OEMOD-OLF-100** has a linearly shaped optical transmission spectrum. Two standard bandwidths of 7 nm and of 50 nm at 1550 nm range can be shipped immediately. linear filter of custom wavelengths and bandwidths are also available on demand. The bandwidth of the optical linear filter can be from a few nanometres to a few hundreds of nanometres.

Applications

- Fibre sensing
- Channel monitor
- Biomedical
- Instrumentation
- Metrology
- Material Science

Features

- Transmission type linear filter
- Low insertion loss
- Large dynamic range
- Small size
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Specifications of OEMOD-OLF-100

Parameter	Unit	Value
Configuration Type	-	1 x 1
Wavelength Range	nm	7, 50, or custom
Low Transmission at Wavelength 1	%	10
High Transmission at Wavelength 2	%	90
Dynamic Range	%	80
Insertion Loss	dB	< 1.5
Polarization	-	S & P
Linearity Tolerance	%	< ± 2.5
Connectory Type	-	FC/PC
Package Size (D x L)	mm	8 x 50
Operating Power	mW	≤ 500
Operating Temperature	°C	0 - +60
Storage Temperature	°C	-20 - +70



Figure 1: Optical Spectrum of OEMOD-OLF-100-1550nm-50nm



Figure 2: Optical Spectrum of OEMOD-OLF-100-1550nm-7nm



Figure 3: OEMOD-OLF-100 Module

Note: All specifications are subject to change without notice