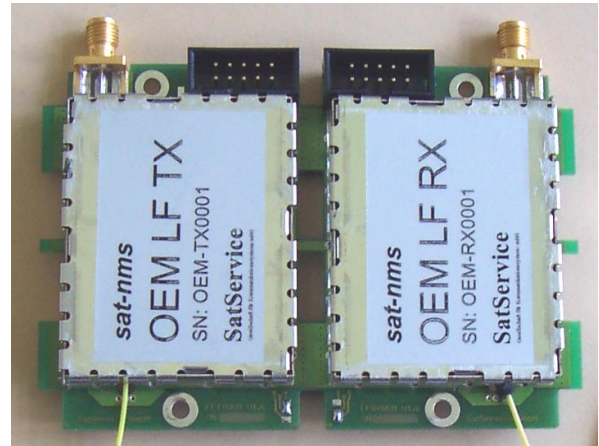


## sat-nms LFTX/RX OEM - Fibre Optical Receiver/Transmitter

Based on the *sat-nms* LFTX Optical Transmitter and *sat-nms* LFRX Optical Receiver for analog multi-carrier RF transportation on fiber optical media, SatService manufactures also OEM Modules. This allows a communication equipment manufacturer to seamlessly integrate optical interfaces into its RF equipment or sub-system. They are manufactured as small shielded printed circuit boards.



### Technical Specification

#### RF Specification

Frequency Range	50 to 2150MHz
RF Input Connectors (Transmitter)	SMA female 50Ohm
Input Return Loss	> 15dB
RF Output Connector (Receiver)	SMA female 50Ohm
Output Return Loss	> 15dB
Optical Connectors	FC/APC, SC/APC or E2000
Operating Wavelength	1310nm
Optical Output Power	2mW
Input Noise Figure	< 40dB
Gain	0dB
Flatness	+/-1.5dB, +/-0.25dB in any 40MHz
Gain Stability	+/-0.25dB/24h
Input Signal max. (Total Level)	+10 dBm
Intermodulation at 2dBm Input Level per Carrier	<-45dBc

#### MNC Interface Specification

Summary Fault Indication	10 pin Connector
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#### Electrical and Mechanical Specification, Environmental Conditions

Supply Voltage	9 to 12V TX 65mA RX 165mA
Temperature Range Storage	-40 to + 75
Temperature Range Operational	-35 to +55°C
Humidity	Up to 90% non-condensing

#### Key Features

- Small Package Outline
- Low-noise FP Lasers
- Wide Dynamic Range
- FC/APC, SC/APC or E2000
- Monitoring and Alarm Functions

#### Applications

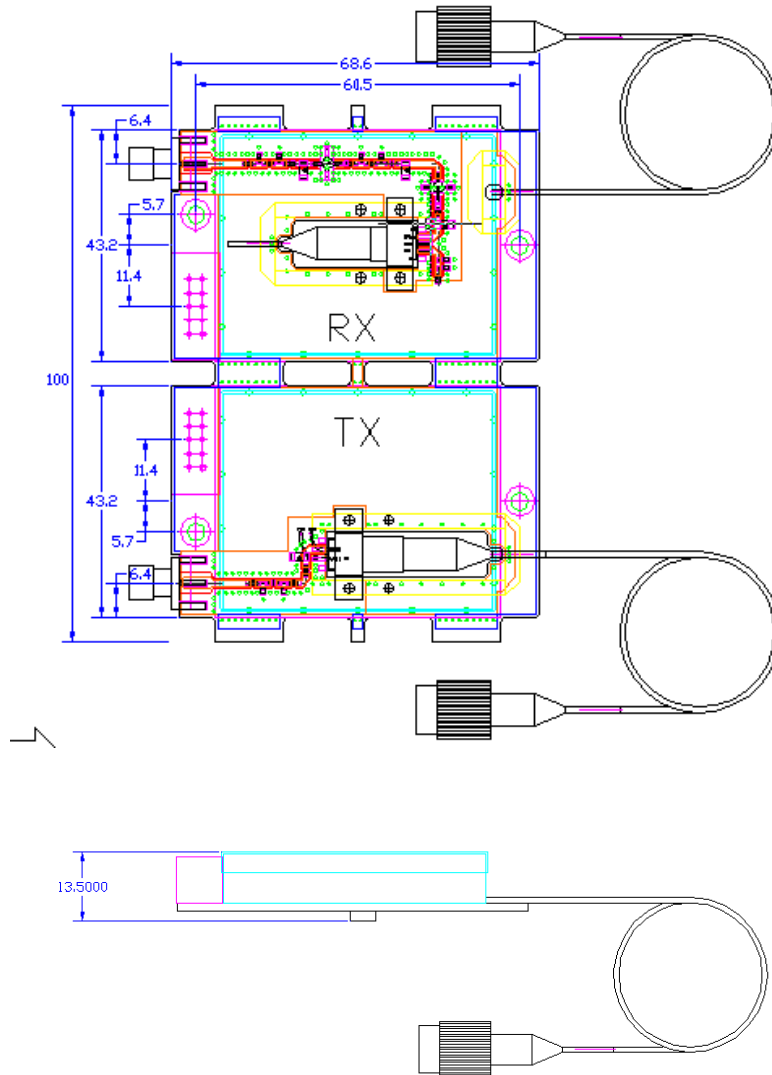
- On Manufacturers Printed Circuit Boards
- Embedded into other Equipment

#### Contact Information

SatService  
 Gesellschaft für Kommunikationssysteme mbH  
 Hardstrasse 9, D-78256 Steisslingen, Germany  
 Phone +49 7738 97003,  
 Fax +49 7738 97005  
 E-Mail [sales@satservicegmbh.de](mailto:sales@satservicegmbh.de)

[www.satnms.com](http://www.satnms.com) [www.satservicegmbh.de](http://www.satservicegmbh.de)

## Mechanical Drawing



## Interface Connector

<i>sat-nms</i> LFTX-OEM Module			
Pin	Description	Pin	Description
1	NC	2	NC
3	GND	4	NC
5	+9..12V	6	NC
7	TX Monitor O/P	8	NC
9	TX Alarm O/P OC	10	NC

<i>sat-nms</i> LFRX-OEM Module			
Pin	Description	Pin	Description
1	NC	2	NC
3	GND	4	NC
5	+9..12V	6	NC
7	RX Monitor O/P	8	NC
9	RX Alarm O/P OC	10	NC