

FEATURES

- ▷ Compact aluminum die cast housing
- ▷ 950MHz to 2150MHz L-Band RF input from LNB
- ▷ 13V or 18V @Maxim 450mA LNB powering selectable
- ▷ 1310nm uncooled DFB Laser
- ▷ High Linearity Photodiode
- ▷ Low noise RF Gain Control circuit



SatLink Mini is a modular satellite RF fiber link, transmitting L-Band single RF from LNB over single fiber while powering LNB at either 13V or 18V DC from the RF port. SatLink Mini includes SL-2150-MN-TX-SCA transmitter and SL-2150-MN-RX-SCA receiver. With built-in 1310nm uncooled DFB laser high linearity photodiode and low noise RF gain control circuit, SatLink Mini can deliver high quality satellite RF to a few SL-2150-MN-RX-SCA receivers.

TECHNICAL SPECIFICATIONS

Parameters

Parameter	Min	Type	Max	Unit
Laser Wavelength		1310		nm
Laser Output Power	+1	+3	+4	dBm
Tx Input RF Return Loss	10	12		dB
Tx RF Input Range	-55	-40	-25	dBm
LNB Powering	13V/18V selectable, Max 450mA			
RF AGC Variation	± 2dB			
Frequency Range	950 - 2150MHz (950~2600MHz on request)			
Flatness	≤6.0dB in band			
Receiver Output Power	-35±5dBm @Receiver optical Input -10dBm			
IMD 2nd order	≥32dB (two input tones at -25 dBm)			
IMD 3rd order	≥53dB (two input tones at -25 dBm)			

RF/Optical Interface

RF Connector	F-Type
RF Impedance	75 Ohm
Fiber	9µm / 125µm Single Mode Fiber
Fiber Connector	SC/APC

Overall Physical and Environmental Characteristics

Power Supply	19V 1A DC adaptor
Power Consumption	< 3W (Single Tx or Single Rx Module)
Dimensions (LxWxH)	127mm×90mm×30mm
Weight	0.5Kg (without power adaptor, Tx or Rx)
Operating Temperature	-10~+55°C
Storage Temperature	-40~+85°C
Relative Humidity	5~95 % (non-condensing)

ORDERING INFORMATION

Part #	Description
SL-2150-MN-TX-SCA	SatLink Mini L Band Transmitter, 950-2150MHz, 1310nm, 3dBm, SC/APC, Single-mode fiber only
SL-2150-MN-RX-SCA	SatLink Mini L Band Receiver, 950-2150MHz, 1310nm, 3dBm, SC/APC, Single-mode fiber only

Contact the Sales Office for additional ordering information.