HN-LB-RX -1U

Date sheet

Parameter	Unit	Specification	Note
Optical Performance			
Wavelength	nm	1270~1610	--
Optic power	dBm	-14~+3	--
Optic connector	--	SC/APC	--
RF Performance			
Bandwidth	MHz	950-2150	--
Return loss	-dB	≥10	--
Impedance	ohm	75	--
Flatness	dB	+/-1.75 , ± 0.25 dB in any 36 MHz	--
Output Power	dBm	-55~-25	AGC Adjust ±10dB，MGC Adjust 0~60dB
Connector	--	F-female	--
Test point	dB	-20+/-2	--
CNR	dB	52	1，2
IMD	dB	≥40	1，2
Electrical/Physical Performance			
Supply voltage	VDC	24	--
Power consumption	W	<7	--
Dimensions	mm	413.4D x 24.1W x 128H	--
Weight	Kg	1.2	--
Operation temperature	℃	0~50	--
Storage temperature	℃	-40~70	--
Relative humidity	%	5~85	--

Notes:

L-Band RX

1. Two tone frequency test 2 GHz&2.008 GHz.
2. Link test TX :RF input power -25 &MGC -30 Setting/ RX : Optical input 0dBm& AGC Offsset +10dB Setting

Description

The platform is based on state-of-the-art RF-to-fiber technology. The L band RX module is designed to meet increasing demands for higher performance and more RF control and monitoring. This module can compatible with other modules of ATC headend product series to integrate into the same chassis. The module contains a high performance, advanced circuitry achieves, and ideal for satellite applications.

Features

- Bandwidth 950~2150MHz
- Automatic/manual gain control (AGC/MGC)
- RF output test point
- Front panel LEDs indication
- Low power consumption

Block Diagram