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PRODUCT SPECIFICATION

HN-LB-TX

ISSUED TO		
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Description

The platform is based on state-of-the-art RF-to-fiber technology. The L band TX 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. All configuration parameters of modules can be monitored via HN-SMM equipment management module

Features

- Hot-swap capability
- Bandwidth 950~2150MHz
- Automatic/manual gain control (AGC/MGC)
- RF input test point
- Front panel LEDs indication
- LNB powering through RF connection
- Low power consumption
- Local and remote software for status monitoring

Specifications



Parameter	Unit	Specification	Note
Optical Performance			
Wavelength	nm	1310+/-20	--
Optic power	dBm	+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	--
Input Power	dBm	-55~-25	--
Connector	--	F-female	--
Test point	dB	-20+/-2	--
CNR	dB	52	1

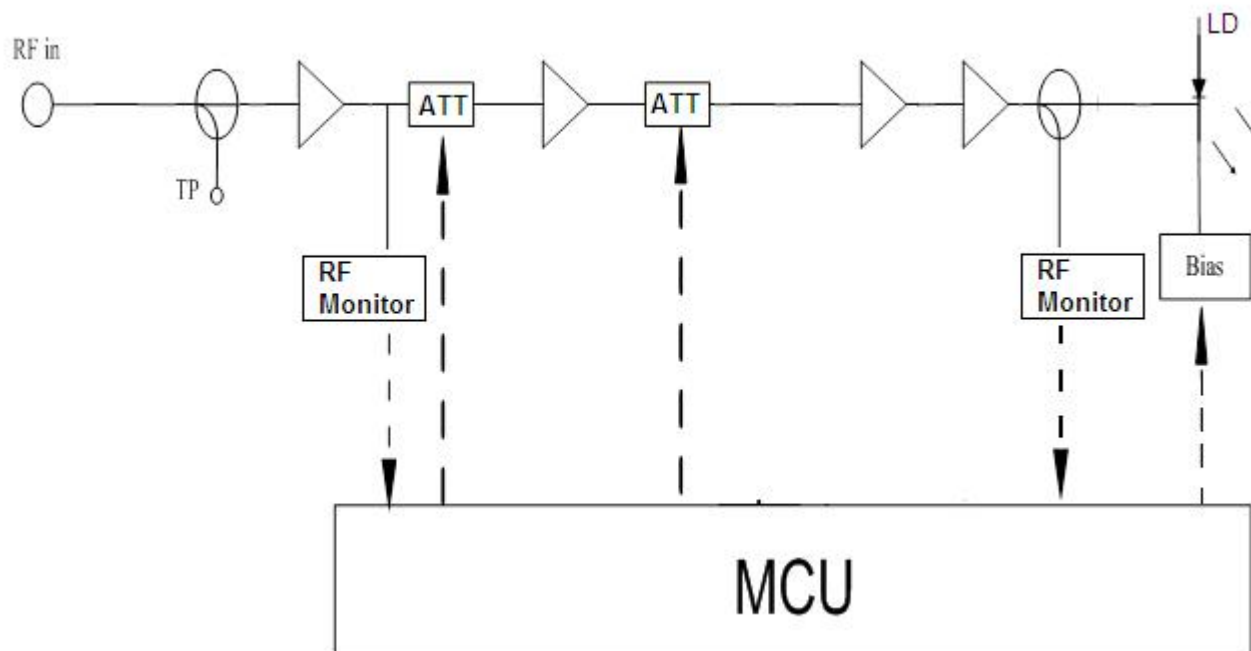
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IMD	dB	≥40	1
Electrical/Physical Performance			
Supply voltage	VDC	24	--
Power consumption	W	<7	--
Dimensions	mm	400D x 24W x 128H	--
Weight	Kg	1.2	--
Operation temperature	°C	0~50	--
Storage temperature	°C	-40~70	--
Relative humidity	%	5~85	--

Notes:

- Two tone frequency test 2 GHz&2.008 GHz.

Block Diagram



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Dimensions (mm)

