



X-band LNA

TTI-LNA-X-8085

X Band LNA for Satellite Communications

TECHNICAL SPECIFICATIONS

ELECTRICAL

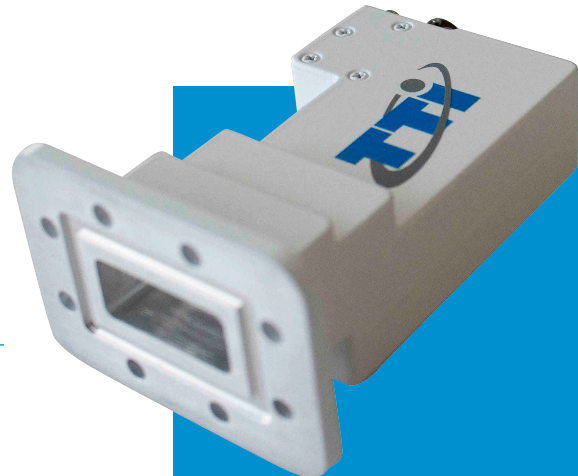
Frequency band	8-8.5 GHz
Input VSWR	< 1.55:1
Output VSWR	< 1.3:1
Output P1dB	> 17dBm
3rd OIP	> 21dBm
Gain flatness	± 0.5dB pp max
Gain minimum	55 dB
Noise Figure	≤ 50K Typ (53K Max)
Spurious	-60dBc min
Voltage (Nominal)	+12 to +28VDC
Impedance	50 Ohm

MECHANICAL & INTERFACES

Input Waveguide	WR-112 (CPR112G)
Output Connector	SMA (f)
DC interfaces	PT02A8-2P Connector
Dimensions (L x W x H)	101.2 x 65.8 x 46.6 mm
Weight	260 gr

ENVIRONMENTAL

Operating Maximum	-30 to +50°C
Storage Maximum	-55 to +85°C



Key Features

- Compact package
- Low noise figure

TTI-LNA-X-8085 is a Low-Noise Amplifier (LNA) that provides very low noise and high gain operation at X band (8.0 – 8.5 GHz). Within this frequency band, the LNA typically provides a minimum gain of 55 dB and noise temperature better than 53K.

Furthermore, this LNA is able to operate in a wide range of temperatures, from -30 to 50°C.

TTI-LNA-X-8085 is offered in a compact package with input WG WR112 and SMA (f) output connector.