



S-band LNA

TTI-LNA-S-2223

S Band LNA for Satellite Communications

TECHNICAL SPECIFICATIONS

ELECTRICAL

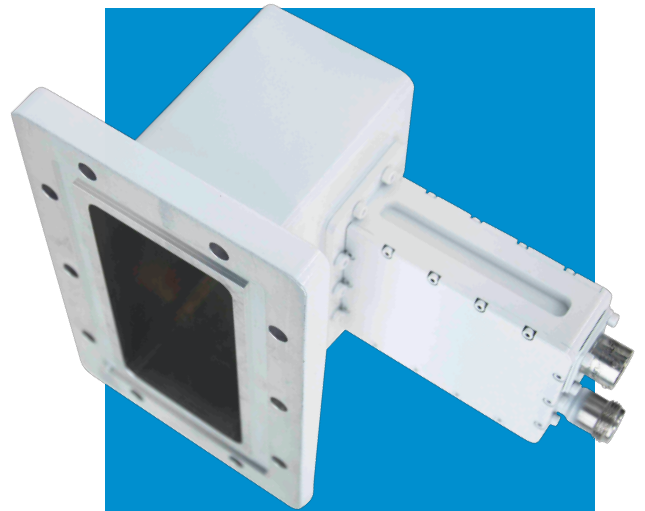
Frequency band	2.2-2.3 GHz
Input VSWR	<1.4:1
Output VSWR	<1.5:1
Output P1dB	>22 dBm
3rd OIP	>30 dBm
Gain flatness	±0.5 dB pp max
Gain minimum	50 dB to 52 dB
Noise temperature	
WG input connector	34 K typ
N (f) input connector	35 K typ
Spurious	-60 dBc min
Voltage (nominal)	15 VDC
Impedance	50 Ohm
Absorbed DC power	<25 %
Out of band gain	<40 dB @1750 to 2120 MHz (optionally)

MECHANICAL & INTERFACES

Input connector	M3922/52-028 (CPR 430 G) / N (f)
Output connector	N (f)
DC connector	PT02A10-5P
Dimensions (L x W x H)	
WG input connector	169 x 161 x 103 mm (without connectors)
N (f) input connector	81.7 x 63 x 30 mm (without connectors)
Weight	
WG input connector	1020 gr
N (f) input connector	315 gr

ENVIRONMENTAL

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



Key Features

- Compact package
- Low noise figure
- Supply/Current alarm
 - » 3 pins dry contacts

TTI-LNA-S-2223 is a Low-Noise Amplifier (LNA) that provides very low noise and high gain operation at S band (2.2 - 2.3 GHz). Within this frequency band, the LNA typically provides a minimum gain of 50 dB and noise temperature of 34 K (typ).

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

TTI-LNA-S-2223 is offered in a compact package with WG or N (f) input connector.