



X-band Cryogenic LNA

TTI-CLNA-8186

Cryogenic Low Noise Amplifiers for Radio Astronomy or Space Communications

TECHNICAL SPECIFICATIONS

ELECTRICAL

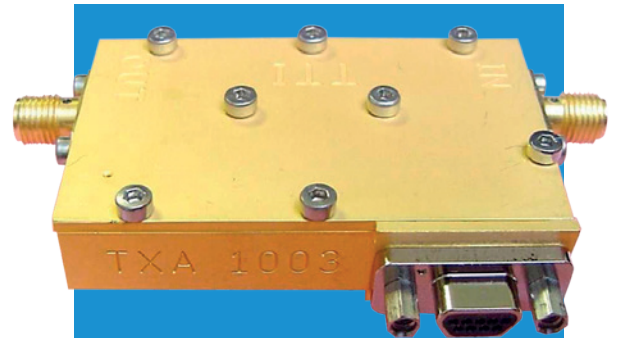
Frequency Range	8.15 – 8.63 GHz
Technology	InP / GaAs
Noise Temperature	< 4.5 K
Gain	> 38 dB
Gain Flatness	±0.5 dB
Input matching	better than 15 dB
Output matching	better than 15 dB

INTERFACES & PHYSICAL

Input Connector	SMA (female or male) or waveguide
Output Connector	SMA (female or male)
Power Connector	Micro MDM 9-P
Dimensions (L x W x H)	50.6 x 35.5 x 10 mm
Weight	46 g

POWER SUPPLY

Power Consumption	< 50 mW (high output P1dB)
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Key Features

- Very low noise temperature
- Highly reliable
- Extremely stable

TTI-CLNA-8186 is an X-band Cryogenic Low Noise Amplifier designed to operate at extremely low temperatures (4 to 15 K).

Efficiency is key for Cryogenic amplifiers so we offer very low current consumption and a very light weight.

TTI-CLNA-8186 is extremely stable and highly reliable at cryogenic operating temperatures.