



C-band Cryogenic LNA

TTI-CLNA-0408

Cryogenic Low Noise Amplifiers for Radio Astronomy or Space Communications

TECHNICAL SPECIFICATIONS

ELECTRICAL

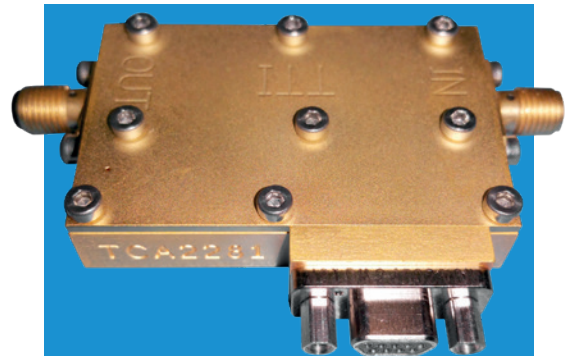
Frequency Range	4 - 8 GHz
Technology	InP / GaAs
Noise Temperature	< 4 K
Gain	36 to 40 dB
Gain Flatness	< 2 dB
Input return loss	< -6 dB
Output return loss	< 13 dB
Impedance	50 Ω

INTERFACES & PHYSICAL

Input Connector	SMA (female or male)
Output Connector	SMA (female or male)
Power Connector	Micro MDM 9-P
Dimensions (L x W x H)	46 x 32.5 x 9 mm

POWER SUPPLY

Power Consumption	< 9 mW
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TTI-CLNA-0408 is a C-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-0408 is extremely stable and highly reliable at cryogenic operating temperatures.

