



X-band Cryogenic LNA

TTI-CLNA-0412

Cryogenic Low Noise Amplifiers for Radio Astronomy or Space Communications

TECHNICAL SPECIFICATIONS

ELECTRICAL

Frequency Range	4 - 12 GHz
Technology	InP / GaAs
Noise Temperature	< 7 K
Gain	32 to 35 dB
Gain Flatness	< 2 dB
Input return loss	< -3dB
Output return loss	< -10 dB
Impedance	50 Ω

INTERFACES & PHYSICAL

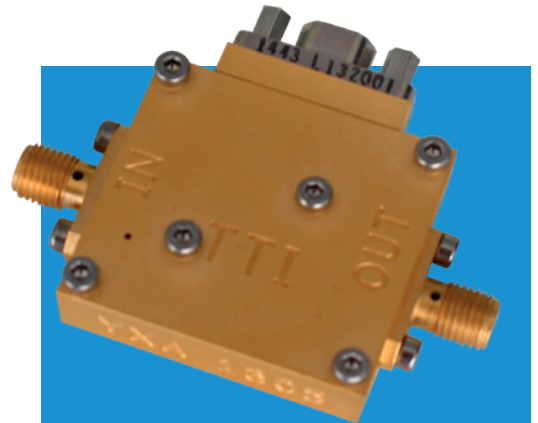
Input Connector	SMA (female or male)
Output Connector	SMA (female or male)
Power Connector	Micro MDM 9-P
Dimensions (L x W x H)	32 x 29 x 9 mm

POWER SUPPLY

Power Consumption	< 10 mW
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***OPTION:**

Frequency Range: 3.8-11.7 GHz / NT: < 6 K / Gain: 35-38 dB / Power Consumption: 14mW



TTI-CLNA-0412 is a 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-0412 is extremely stable and highly reliable at cryogenic operating temperatures.

