



Ka-band Cryogenic LNA

TTI-CLNA-2339

Cryogenic Low Noise Amplifiers for Radio Astronomy or Space Communications

TECHNICAL SPECIFICATIONS

ELECTRICAL

Frequency Range	23 – 39 GHz
Noise Temperature	17 K (avg) / 25 K (max)
Gain	31 to 38 dB
Gain Flatness	< 7 dB (All BW)
Input VSWR	< -5 dB
Output VSWR	< -4 dB
Output P _{1dB}	> -4 dBm
Output IP3	> +6 dBm

INTERFACES & PHYSICAL

Input Interface	WR-28
Output Interface	WR-28
Power Interface	9 pin dual row nano-D
Dimensions (L x W x H)	39,6 x 30,5 x 11,2 mm

POWER SUPPLY

Power Consumption	< 20 mW
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TTI-CLNA-2339 is a Ka-band Cryogenic Low Noise Amplifier designed to operate at extremely low temperatures (10 to 15 K).

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

TTI-CLNA-2339 is extremely stable and highly reliable at cryogenic operating temperatures.

