

LIMITING LOW NOISE AMPLIFIER SERIES

Features

- Frequency Range: 34GHz to 35GHz
- Gain: 21dB Min
- Noise Figure: 4.5dB
- Output power for 1dB compression (P1dB): +10dBm
- Peak Power Handling: 10W
- Operating Supply Voltage: 7VDC at 150mA
- 50Ohm matched input/output
- WR-28 waveguide input and SMP Connector output

Descriptions

- The LNA series are distributed front-end of receiver that operate from 34GHz to 35GHz. The LNA series integrate limiter, amplifier that provide 21dB of gain associated to 4.5dB noise figure, 10W peak power handling. Their input port has a 50Ω characteristic impedance as a straight or right angle WR-28 waveguide. Output port is internally matched to 50Ω with SMP coaxial connector facilitating integration into multichip modules (MCMs).
- Target applications for the LNA series are microwave radios and VSATs, communication, pointing and tracking systems, military and space applications.

Applications

- Military and Space
- Microwave radios and VSATs
- Pointing and Tracking System

Device Information

PART NUMBER	BODY SIZE
EC-KL34352046-RA	51.34 mm x 30 mm
EC-KL34352046-STR	38.1 mm x 30 mm

Dimensions – Typical values