

# RF Limiting Amplifier

Compression Range: 55 dB

# Model ENL9654

10 to 1000 MHz

## Features

- Compression Range: 55 dB Typical
- Low Phase Shift Variation
- Operating Temperature: -55 °C to +85 °C
- Environmental Screening Available

## Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	10 - 1000 MHz	10 - 1000 MHz
Small Signal Gain (dB)	>55	30 Min.
Saturated Power @ P <sub>IN</sub> = 0 dBm (dBm)	- 0.5	- 4.0 Min.
Saturated Flatness @ P <sub>IN</sub> = 0 dBm	±0.9	±1.5 Max.
VSWR In Out	< 1.25:1 < 1.50:1	2.0:1 Max. 2.0:1 Max.
Phase Shift per dB of Comp. per MHz, (deg.)	0.004	— Min.
Even Harmonic Suppression @ P <sub>IN</sub> = -55 to +10 dBm (dBc)	> 14	12 Max.
Noise figure (dB)	< 10	12 Max.
Power Vdc mA	+15 75	+15 Max. 80 Max.

Note: Care should always be taken to effectively ground the case of each unit.

## Maximum Ratings

Ambient Operating Temperature ..... -55°C to + 100 °C  
 Storage Temperature ..... -62°C to + 125 °C  
 Case Temperature ..... + 125 °C  
 DC Voltage.....+17 Volts  
 Continuous RF Input Power..... +13 dBm

## Packaging Options (see Appendix)

20 Pin, 0.800" x 0.400" Surface Mount (SM4)

## Typical Performance Data

