



L-band amplifier



L-band amplifier with adjustable Gain and high output level (P1dB=+20dBm) intended for compensation of signal losses

L-band amplifier with adjustable Gain and high output level (P1dB=+20dBm) is intended for compensation of signal loss at long coaxial connections or boosting a weak L-band signal from passive dividers/combiners. Main features of this devices are adjustable Gain (-10...+20dB), easy access to controlling buttons, saving case hermetization and high Gain linearity at full frequency band at any Gain level. Also L-band amplifier has DC and 10MHz bypass, DC supply by coaxial cable.

KEY FEATURES:

- Output power at P1dB: +20 dBm
- Frequencies range: 950 .. 2150 MHz
- Adjustable gain: -10 .. +20 dB
- Digital gain adjust with 1 dB step
- DC bypass: up to 2A
- 10 MHz bypass

General parameters	
Frequencies range	950 - 2150 Mhz
Gain	-10 .. +20 dB (adjustable)
Gain Adjust	digital, step 1 dB
Flatness over Full Band	±1 dB
Flatness over 40MHz Band	±0.3 dB

Input return loss	-19 dB
Output return loss	-15 dB
Noise Figure (@max Gain)	5 dB
Output power, P1dB	+20 dBm
DC bypass	up to 2A
10 MHz	bypass
Power Supply	
Input Voltage	+7.5 .. +34 V
Power Consumption	1.2 W
Environmental:	
Operating temperature	-40°C to +50°C (-40°F to +122°F)
Storage temperature	-60°C to +80°C (-76°F to +176°F)
Operating humidity	100%, non-condensing
Mechanical	
Dimensions (W x H x D)	116 x 28 x 89 mm
Weight	350 g