



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

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