



## 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 device 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
Power Supply	
<b>Input Voltage</b>	+7.5 .. +34 V
<b>Power Consumption</b>	1.2 W
Environmental:	
<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

*Taking into consideration that we (ROKS PrJSC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage.*

**Note!** *All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.*