



## Active 16-channel 50-1000 mhz power divider



Active 16-channel VHF and IHF ranges, 50-1000MHz, power divider is designed to relay L-band signals, received from LNB and LNA, and to even divide the signal power of intermediate frequency of 70 MHz into 16 equal parts.

Active 16-channel 50-1000 MHz Power Divider is designed to relay L-band signals, received from LNB and LNA, and to even divide the signal power of intermediate frequency of 70 MHz into 16 equal parts. It is provided for supply voltage of +15 V for the LNA via RF input. The branches of integrated multistage bridges are used for power division at frequency of 70 MHz.

### KEY FEATURES:

- broadband low-noise amplifiers with large dynamic range are used for losses compensation in bridges at the input of the Power Divider
- high output power linearity (low intermodulation distortions)
- high output signal stability
- branches of integrated multistage bridges are used for power division

All modules of the Active 16-channel 50-1000 MHz Power Divider, including power supply, are placed in a standard 1U case for mounting into 19" rack. The input and output connectors of the Active 8-channel L-band Power Divider are located on the rear panel. The main type of connectors is SMA (socket).

### We may provide such additional requirements by advance order:

- Input impedance of 50 or 75 Ohms.
- Connector types: SMA, BNC, F.

Parameter, unit	Parameter value
<b>LNB input working frequency range, MHz</b>	950 - 2150
<b>LNA input working frequency range, MHz</b>	950 - 2150
<b>Losses in power injector from input to output of LNA, dB, not more</b>	2
<b>Working frequency range of power divider, MHz, not less</b>	50 - 1000
<b>Gain coefficient of power divider, dB, not less</b>	0...+/-3
<b>Noise coefficient of power divider, dB, not less</b>	5
<b>Flatness of gain coefficient of power</b>	

<b>divider at all working frequency range, dB, not more</b>	+/- 2
<b>Flatness of gain coefficient of power divider at 8 MHz range at any part of working band of 50-1000 MHz, dB, not more, dB, not more</b>	+/- 0.2
<b>Input VSWR, not more</b>	1.5
<b>VSWR at any output 1-16 of power divider, not more</b>	1.5
<b>Power P1dB at power divider input, dBm, not less</b>	-5
<b>Maximum effective power of group signal, dBm, not less</b>	-15
<b>Supply voltage of LNA, V</b>	15
<b>Current consumption of LNA, not more</b>	1000
<b>Operating supply voltage, V</b>	220, 50Hz
<b>Power consumption, W, not more</b>	15

*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.*