



Down-converter 4ch



Down-converter 4ch is intended for converting RF signals from the L-band (950-2150 MHz) to the intermediate frequency of 70 MHz

The Down-converter 4ch consists of four down-converters. Each individual down-converter is a dual-conversion RF unit with wideband input intended for converting signals from the L-band to the intermediate frequency of 70 MHz, also include control and monitoring elements and network power supply mounting in 19", 1U case. The Down-converter is reliable, flexible in work and easy in operation and service. The Down-converter unit is remotely operated via an Ethernet interface (RJ45 connector) and it could be controlled by buttons on the front panel, which has also liquid crystal display.

KEY FEATURES:

- Down-converter operates up to 4 L-band signals which are converted to the intermediate frequency of 70 MHz
- Down-converter is reliable device
- Flexible in work
- Easy in operation and service
- Presence of reference frequency (integrated / external)

MAIN FUNCTIONS:

- Down-converter could be controlled by buttons on the front panel
- Down-converter has parameters indication on LCD
- Down-converter could be remotely operated via an Ethernet interface (100 Mbit/s), RJ45

Parameter	Value
Input operating band, MHz	950 - 2150
Range of admissible input signal levels, dBm	- 50 ... - 20
Noise figure, at the input, dB, not more	5
Gain factor range of Down-converter, dB	+20.0 ... +50.0
Bandwidth of radio channel, MHz, not less	36
Image rejection, dB, not less	50
Gain frequency characteristic unevenness in adjustment range, dB, not more	+/- 1.5
Gain frequency characteristic unevenness in any 36MHz range of adjustment range, MHz, not more	+/- 0.5
Group delay:	

Parabolic	0.01 ns/MHz
Linear	0.03 ns/MHz
Group delay unevenness, ns	1.0
Output frequencies, MHz	70
Output signal rated transmission level, dBm	-20
Output P1dB, dBm, not less	-5
Frequency stability in working temperature range, ppm, not worse	+/-1
Frequency step, kHz	1
Power spectral density of phase noise, dBc/Hz:	
Offset 1 kHz	-70
Offset 10 kHz	-80
Offset 100 kHz	-90
Working temperature range, deg. C	0 ... +60
Supply voltage of LNB, VDC	+13 / +18
Current consumption of LNB, A, not more	0.5
Frequency of reference signal supplied to LNB, MHz	10.0
Level of reference signal supplied to LNB, dBm	0...+3
Frequency of external reference oscillator, connecting to converter unit, MHz	10.0
Impedance of all coaxial inputs and outputs, Ohm	50
Supply voltage	220 VAC, 50 Hz
Power Consumption, not more	100 W

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.