X-BAND LNB 7.25-7.75 GHZ WR-112 N/F/SMA



High-performance X-band LNB 7.25-7.75 GHz with 6.3 GHz LO, WR-112 input, low noise figure, and SMA/F/N outputs. Ideal for satellite, radar, and telemetry systems.

Input parameters:	
Input frequency range	7.25-7.75 GHz
Input interface	WR-112 waveguide (with groove)
Input VSWR, max	2.5 : 1
Local Oscillator:	
LO frequency	6.3 GHz
LO stability (internal ref)	±5/10/25 kHz max
External reference	10 MHz, –5 to +5 dBm
Phase noise 1 kHz	-75 dBc/Hz
Phase noise 10 kHz	-85 dBc/Hz
Phase noise 100 kHz	-95 dBc/Hz
Output parameters:	
Output frequency range	950-1450 MHz

Output connector	F or N-type female
Output VSWR, max	2.5 : 1
Output P1dB	+5 dBm min
Gain and noise:	
Noise figure	0.6 dB typ / 0.7 dB max
Conversion gain	55 dB typ (50–62 dB)
Gain flatness (full band)	4 dBp-p max
Gain ripple (36 MHz)	1 dBp-p max
Image rejection	≥ 40 dBc
Power & environment:	
Input voltage	+12 to +24 VDC
Current consumption	≤300 mA
Operating temperature	–40 to +60
Waterproof rating	IP67
Mechanical:	
Dimensions (W x H x D)	70 x 59 x 118 mm
Weight	620 g

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Taking into consideration that we (ROKS PrJSC) are developer and system integrator, also do not stop on our technical growth and improvement, know that the 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 the 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 of our customers has a 1.5 year warranty and 7 year aftersales support for the whole range of our products.