



*Wideband, extended IF, output PLL LNB for simultaneous reception of full Ku-Band*



**NEW! DVBS2X**

The Wideband output LNB supports reception of full Ku-Band with 1 LO and 1 extended IF output 950-3000 MHz, 950-2750 MHz or 290 - 2340 MHz.

The LNB is ideal for installation in various professional applications with low symbol rate carriers.

## Features

- Full Ku-Band coverage with 1 LO and 1 output
- Standard Ultra Low Phase Noise meets all profiles of DVB-S2X
- High P1dB and IP3
- Choose between Internal Ref. or External Ref. input models
- Available as TWIN for H/V reception
- 10.41 model acc. to ASTRA Wideband spec.
- Compact size and light weight
- Wide operating temperature range
- Low gain option

## TECHNICAL SPECIFICATIONS

MODEL:	9.75 GHz Wideband	10.00 GHz Wideband		10.41 GHz Wideband		
Input Frequency	10.70 - 12.75 GHz	10.95 - 12.75 GHz		10.70 - 12.75 GHz		
LO Frequency	9.75 GHz	10.00 GHz		10.41 GHz		
Output Frequency	950 - 3000 MHz	950 - 2750 MHz		290 - 2340 MHz		
Gain	60 dB typ., (55 dB min)					
Flatness	±0.4dB max. within 30 MHz	± 4 dB max. over band		±0.4dB max. in 30 MHz, ±3 dB max. over band		
Noise Figure / Noise Temperature	0.8 dB / 59 K typ.					
Phase Noise typ.	-35 dBc @ 10 Hz	-65 dBc @ 100 Hz	-82 dBc @ 1 kHz	-94 dBc @ 10 kHz	-98 dBc @ 100 kHz	-120 dBc @ ≥1MHz, typ.
Image Rejection	40 dB min.					
Output P1dB	+15 dBm typ.					
Output IP3	+25 dBm typ.					
Output VSWR	2.1:1 typ.					
Output Connector	N-type 50Ω / SMA-type 50Ω			N-type 50Ω / SMA-type 50Ω / F-type 75Ω		
Input Waveguide	WR 75 / R 120. Flange PBR 120					
Input VSWR	2.3:1 typ.					
LO Leakage	-60 dBm @ waveguide input					
Internal Ref. Stability	±10 kHz -20 to +70°C (±15 kHz -40 to +80°C)					
External 10MHz Ref.	Level: -15 to +5 dBm. Supplied through the output connector (with no ext. 10 MHz ref. present LO shifts -20 ppm)					
DC Input	+15 to +26 V supplied through output connector.					
Current Drain	160 mA @ +20 V	180 mA @ +18 V	200 mA @ +16 V			
Temperature Range	-40 to +80°C					
Dimensions	128 x 57 x 46 mm (N-connector) ( for drawing, see <a href="http://www.smw.se">www.smw.se</a> )					
Weight	329 g (SMA-connector) 345 g (N-connector)					
Options	Customized LO, gain and variation, Separate DC input connector F-, N- or SMA-type, 10 MHz ref. input connector (SMA, F or N), Twin-LNB with OMT + bend and protecting cover					
Miscellaneous	Enclosed O-ring, mounting screws (M4 x 10) 4 pcs.					