LNA 70 Preamp. 435 MHz

- The new low-noise amplifier for the 70cm band represents a completely new development of SSB-Electronic.
  It replaces the LNA-435.
  The new preamplifiers from SSB-Electronic are low noise while simultaneously offering high amplification. Thus, they are ideal for use in EME, MS, Aurora and Tropo DX applications.

- Also in contest operation the new LNA series makes a good figure: High IP3 values stand for high large signal immunity. The high selectivity guarantees trouble-free operation also in the vicinity of radio and other broadcast stations, such as mobile phone relays.

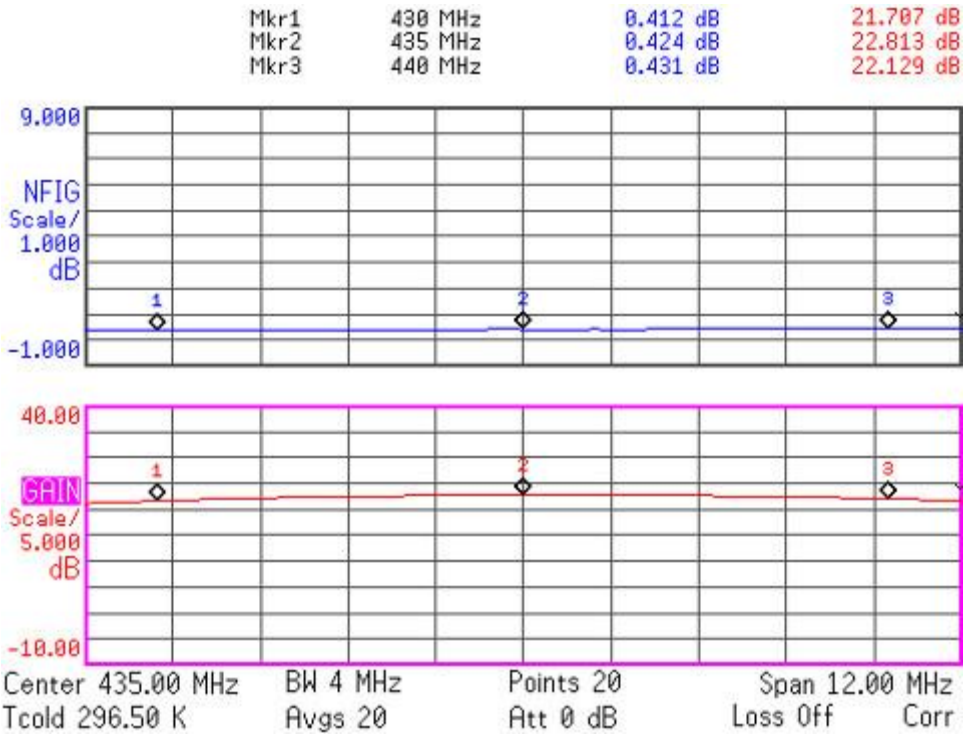
- Large allowable maximum input levels make the amplifier insensitive to destruction by its own transmission signal: emphasis was on a high isolation between the relays of the switching system. An absolutely stable operation is given, even with poor antenna matching (no spurious oscillation).

- The power supply of the amplifier can be controlled by an external line or through the coaxial cable at the output of the amplifier (remote feeding).

- New: Choose between the connection norms N-socket, N-plug (for direct mounting at the relay etc.) or SMA and order the according variant.
  We also offer the option of a special alignment, in case the required reception range should not be exactly in the defined band. Please ask for these CSP variants.

- The amplifiers are built into a rugged tinplate housing, suitable exclusively for indoor applications (IP41 according to EN 60529). For outdoor applications we recommend our preamplifier series "MHP" with receive-transmit switch, which were redesigned also.
  Specifications that speak for themselves:

Technical Data	**LNA 600**	**LNA 200**	**LNA 70**
Frequency Range [MHz]:	50 - 52	144 - 146	430 - 440
Noise Figure @ 20°C (NF) [dB]:	0,25 +/-0,05	0,25 +/-0,05	0,35 +/-0,05
Amplification typ. (S21) [dB]:	24,0 +/-1,0	24,0 +/-1,0	21,0 +/-1,0
Return Loss IN (S21) [dB]:	2,7	2,0	3,0
Return Loss OUT (S22) [dB]:	20,0	20,0	10,0
IIP3 IN [dBm]:	-1,0	-2,0	-2,0
OIP3 OUT [dBm]:	23,0	22,0	23,0
max. Input Level [dBm]:	10,0	10,0	10,0
Impedance [Ohm]:	50	50	50
Connection Standard:	N-B/S; SMA	N-B/S; SMA	N-B/S; SMA
Operating Voltage [V]:	8 -14	8 -14	8 -14
Power Consumption [mA]:	60	60	60
Dimensions (LxBxH) [mm]:	74 x 56 x 30	74 x 56 x 30	74 x 56 x 30
Weight [g]:	140	140	140



(Frequency response)