

## LNA 200 Preamp. 145 MHz

The new low-noise amplifier for the 2m band represents a completely new development of SSB-Electronic.

It replaces the LNA-145.

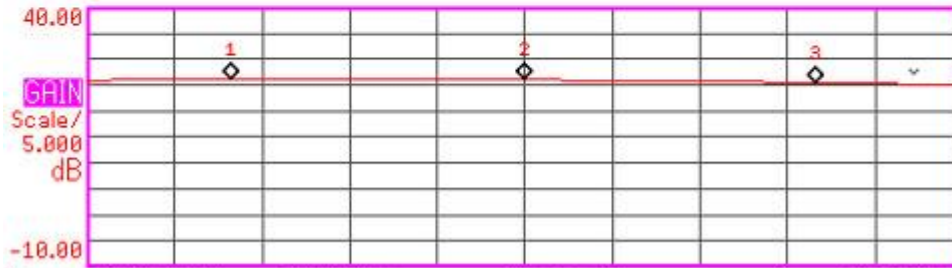
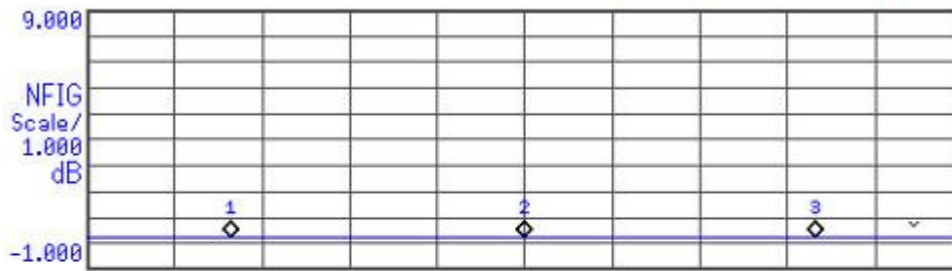
In addition to minimal self-noise and stable adjustment, great emphasis was placed on lowest oscillating behavior. The preamplifiers are mechanically very robust and offer excellent sensitivity at the same time.

New: Choose between the standard N Female connector / N connector (for direct sheeting on the relay etc) and SMA and order the appropriate variant.

The amplifiers are built into a rugged tinplate housing, suitable exclusively for indoor applications (IP41 according to EN 60529). The 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

Mkr1	144 MHz	0.252 dB	26.101 dB
Mkr2	145 MHz	0.241 dB	26.025 dB
Mkr3	146 MHz	0.207 dB	25.491 dB



Center 145.00 MHz    BW 4 MHz    Points 20    Span 3.00 MHz  
Tcold 296.50 K    Avgs 20    Att 0 dB    Loss Off    Corr