

## Technical Specifications

	2 m Pre-amplifier	70 cm Pre-amplifier
N GaAs xxx MAS		
Frequency Range	144 - 146 MHz	430 - 440 MHz
Noise Figure	F < 0.5 dB typ. 0.35 dB	- -
N GaAs xxx MA		
Frequency Range	144 - 146 MHz	430 - 440 MHz
Noise Figure	F < 0.8 dB typ. 0.6 dB	F < 1.1 dB typ. 0.9 dB
US-Version		
Frequency Range	144 - 148 MHz	430 - 450 MHz
Noise Figure	F < 0.7 dB typ. 0.5 dB	F < 1.1 dB typ. 0.8 dB
Gain	17 - 20 dB	16 - 19 dB
Max. Switchable Power (PEP) VOX Operation	150 W	150 W
Max. Transfer Power	750 W	350 W
Intercept Point IP 3 (related to input)	-3 dBm	-3 dBm
Stability Factor K *	> 5 absolute stable	> 2
Insertion Loss IL	< 0.15 dB	< 0.25 dB
Current Consumption (at U <sub>b</sub> = 13.8 V)	100 mA	180 mA
Connector	Type N	Type N
Dimensions (mm)	80 x 125 x 57	80 x 125 x 57
Diecast Box	waterproof according to IP 65	
Clamps for mast mount	up to 63 mm	up to 63 mm
$* K = \frac{1 +  \Delta S ^2 -  S_{11} ^2 -  S_{22} ^2}{2  S_{12} \times S_{21} }$		
<p>U<sub>b</sub> = supply voltage 12 - 14 V GND = supply minus PTT = T/R switching</p>		