


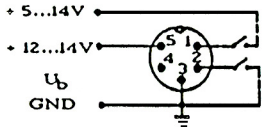
Technical Specifications


	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 _b = 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

$$* K = \frac{1 + |\Delta S|^2 - |S_{11}|^2 - |S_{22}|^2}{2 |S_{12} \times S_{21}|}$$



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PTT +
or
PTT -
TRX

U_b = supply voltage
12 - 14 V
GND = supply minus
PTT = T/R switching

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