



## MU-DEL ELECTRONICS, INC.

### **Mu-Del S-Band Amplifier System MDA-2224H/011215**

This assembly is a self-contained package consisting of a Low Noise Preamplifier and an AC Power Supply. All components are mounted in a small weatherproof box of which the inside is foam filled to prevent moisture or condensation. This assembly is designed to take the output of a portable antenna system and send this signal over a coaxial cable to either a Multicoupler or a Receiver.

- Frequency Range 2200 to 2400 MHz
- Gain 45 dB nominal
- Gain Flatness +/- 1 dB maximum, +/- 0.5 dB typical
- Amplifier Noise Figure 0.9 dB maximum, 0.7 dB typical
- System Noise Figure 1.2 dB typical
- VSWR (Input / Output) 1.5:1 maximum
- Impedance (input, output) 50 ohms
- Output Level @ 1 dB Compression +10 dBm minimum
- Connector Type N-f or user defined
- AC Power Connector 3 pin Locking Connector
- Power Requirements 90-260 VAC, 47-440 Hz
- Operating Temperature -10 to +51° C
- Storage Temperature -40 to +85° C
- Humidity 10 to 90%, non-condensing
- Chassis Type weatherproof and internally foamed
- Operating Altitude 0 to 10000 feet MSL

#### **Following are some of the more popular options:**

Gain Adjustment  
Different Gain

Different Frequency Range  
Different Temperature Range  
AC or DC Power Indicator

Mounting Brackets  
Different Output Level

**Please consult factory for Ordering Information and to discuss options to modify any of the above specifications.**

